CHAPTER 7

RIGID SEAT SURVIVAL KIT-1 AND 1A

Section 7-1. Description

7-1. GENERAL.

7-2. The Rigid Seat Survival Kits-1/1A (RSSK-1 and RSSK-1A), are designed for use with MBEU MK-H5A and MK-H7 ejection seats and function as a seat for the aircrewman as well as a container for an emergency oxygen system, liferaft and survival equipment (figures 7-1 through 7-4). The kits are available from separate manufacturers. The RSSK-1 is manufactured by Scott Aviation Corporation (P/N 21000-9). There are three manufacturers of the RSSK-1A, Rocket Jet Corporation P/N 741000, Scott Aviation Corporation P/N 21000-11 and East/West Industries P/N 67A73J100-2.

7-3. CONFIGURATION.

7-4. The RSSK-1/1A is constructed of a bonded fiberglass body and an extruded metal lip interconnecting the upper and lower containers. The kit is opened by the yellow and black striped KIT RELEASE handle mounted on the aft right side. Two adjustable retaining straps on the upper container provide attachment of the kit to aircrewman's torso harness. Upper and lower quick disconnect blocks, interconnected by an intermediate block permanently mounted on the aft left side of upper container, provide connections for communication, suit ventilation, oxygen and anti-g functions between aircraft and aircrewman. The upper container assembly also houses a 100 cu in., 1800 psi, emergency oxygen cylinder capable of supplying over 10 minutes of breathing oxygen for high altitude bailout. Or, in the event of a failure of the aircraft oxygen system, emergency oxygen is available by pulling the manual oxygen release on the kit. Oxygen from the kit then flows to aircrewman through the emergency oxygen system reducer in the kit. A check valve in the intermediate block prevents emergency oxygen from flowing out the bottom of the intermediate block when the lower block has been separated. It also prevents system oxygen from flowing overboard if the upper block is separated and the ship's oxygen ON-OFF valve is ON. The reducer/ manifold is automatically operated by separation of lower quick-disconnect block from intermediate block during ejection. The lower container houses the liferaft and survival equipment.

7-5. When seated aboard the aircraft the aircrewman connects the kit quick-release fittings on the retaining straps to his torso harness. The personal service leads are connected via the quick-disconnect upper block. These leads can be quickly disconnected by pulling the leads one at a time or by removing the upper block.

7-6. SUBASSEMBLIES. The major subassemblies of the RSSK-1/1A are:

1. Emergency Oxygen System
2. Upper and Lower Containers
3. Upper, Lower and Intermediate Blocks
4. Release Mechanism
5. Dropline
6. Cushion

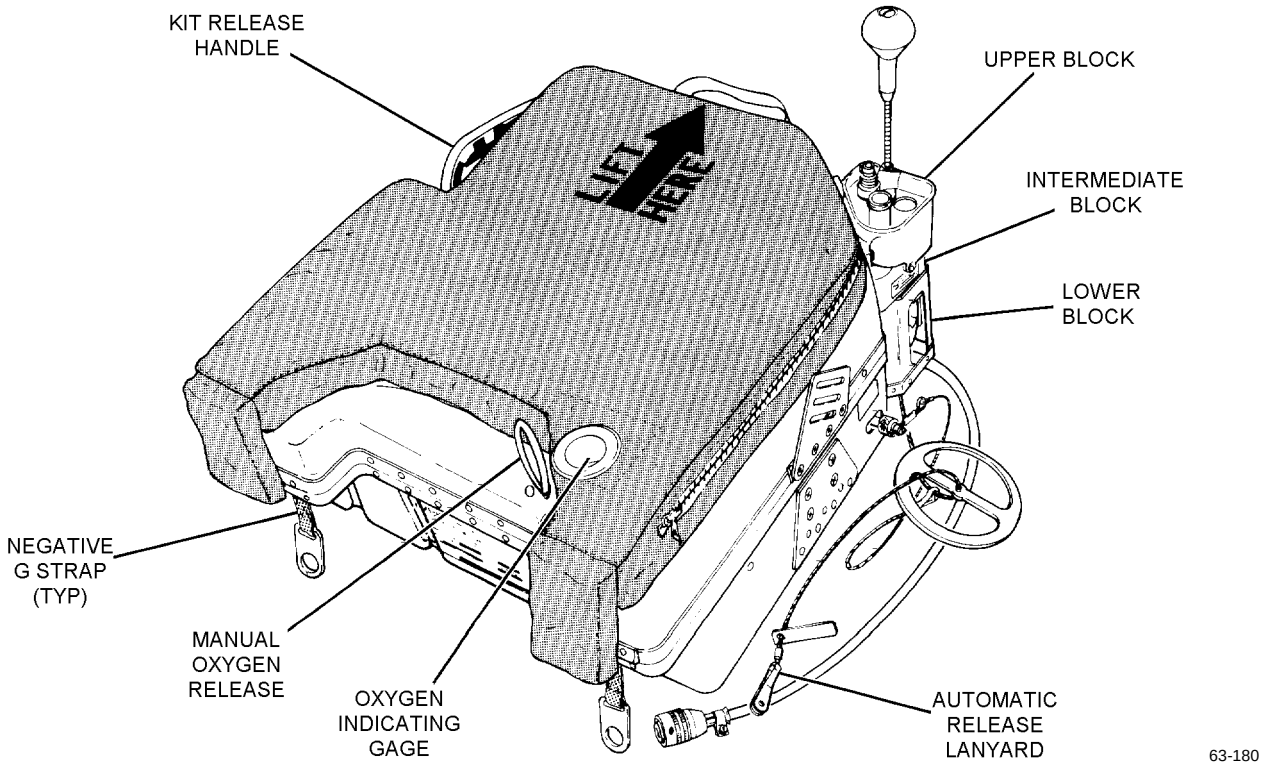


Figure 7-1. RSSK-1 Closed

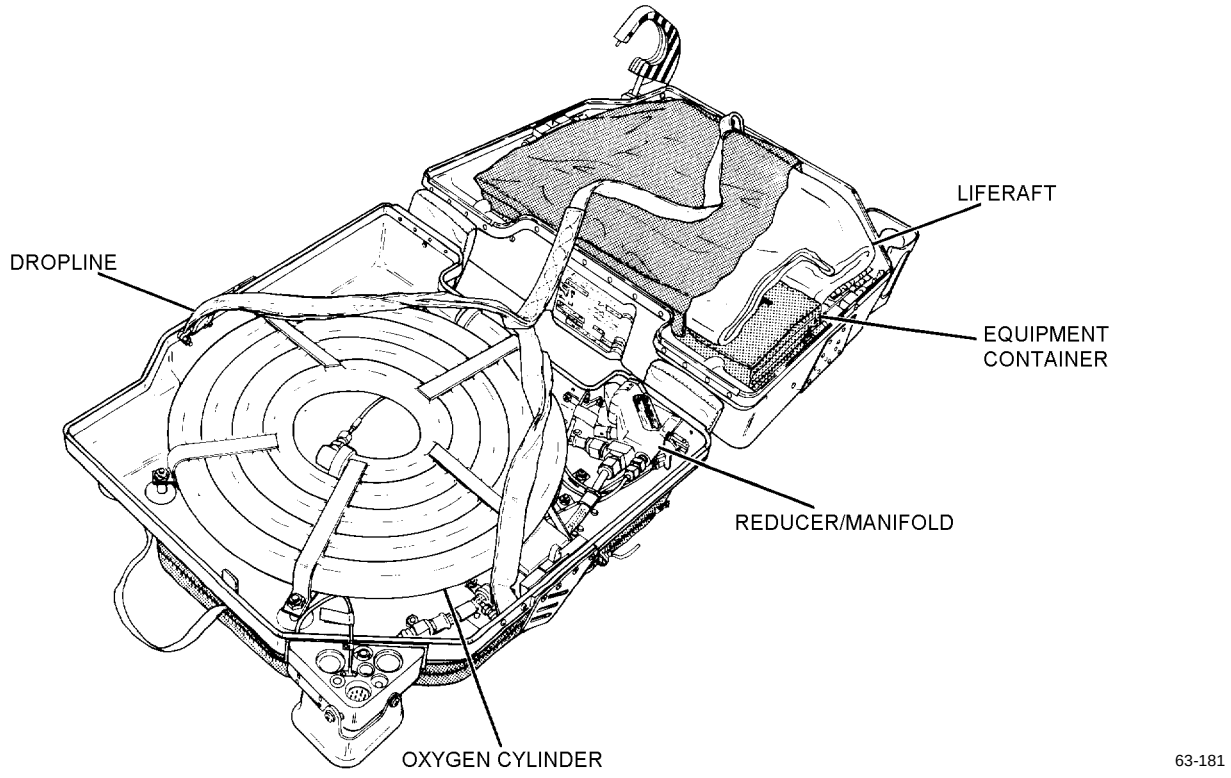


Figure 7-2. RSSK-1 Open

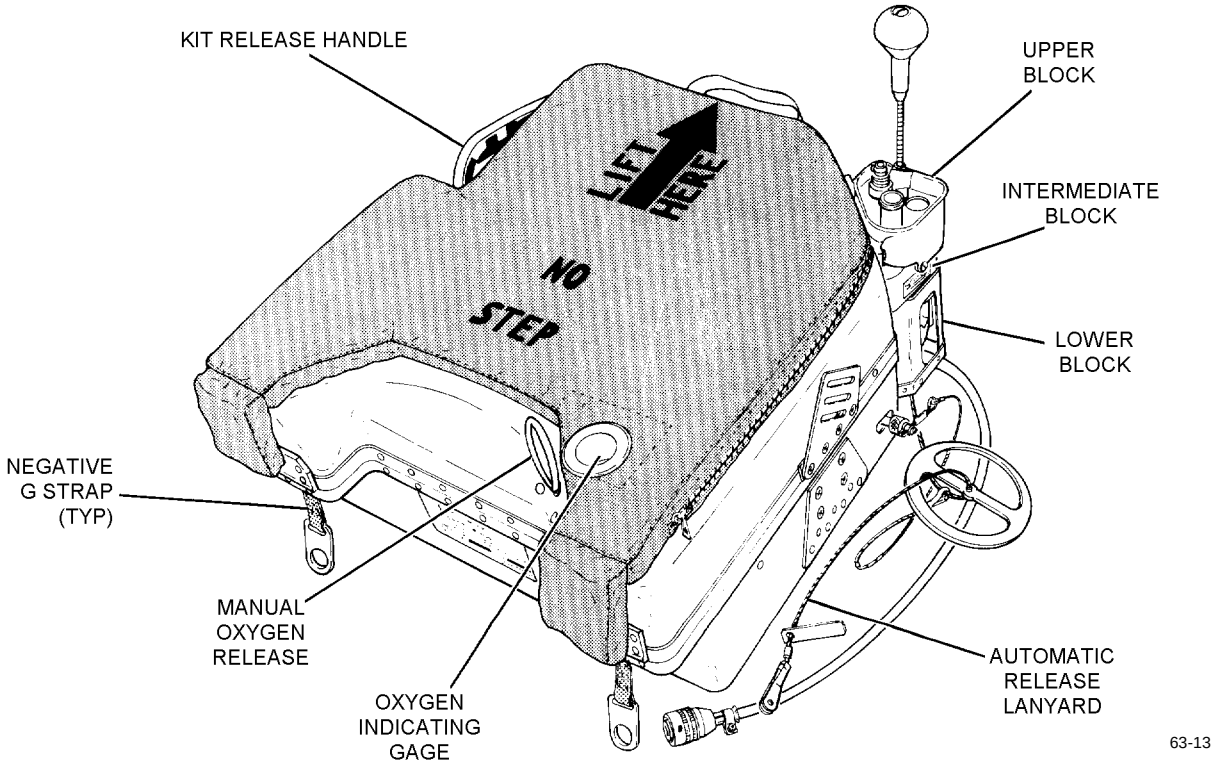


Figure 7-3. RSSK-1A Closed

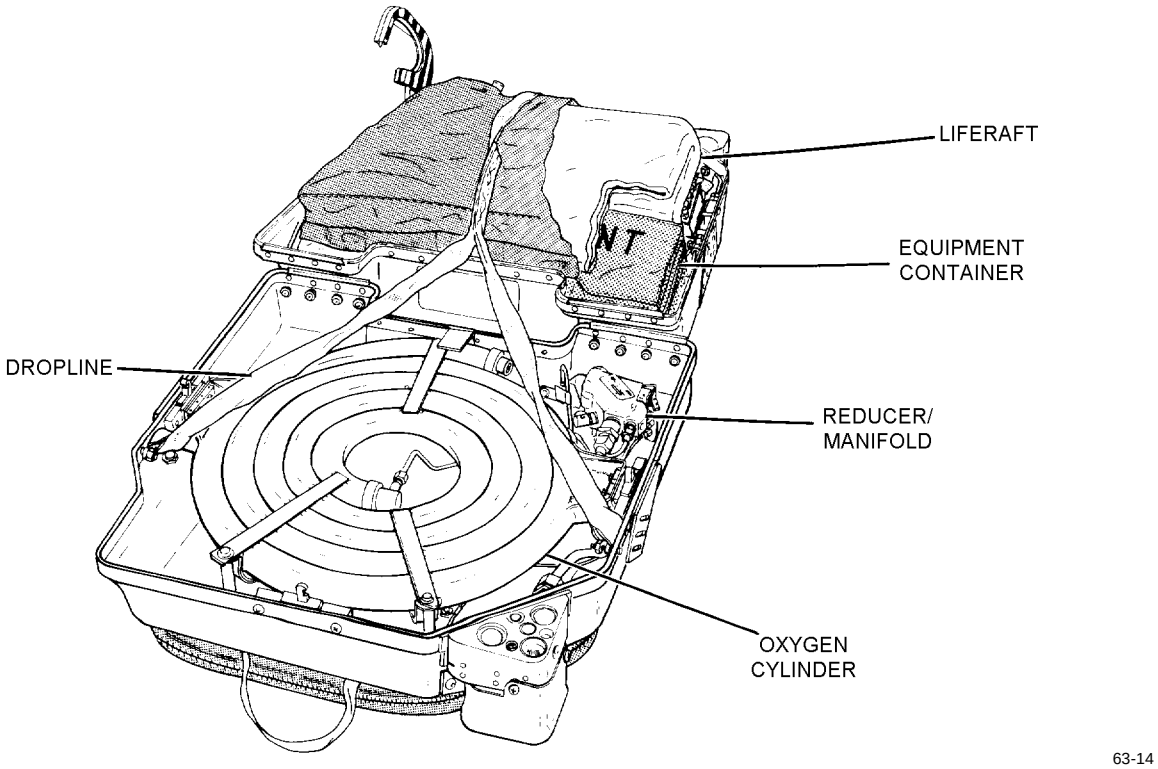


Figure 7-4. RSSK-1A Open

7-7. REFERENCE NUMBERS, ITEMS AND SUPPLY DATA.

7-8. Figures 7-24 through 7-33 are for Rocket Jet Engineering Corporation (P/N 741000); figures 7-34 through 7-47 are for Scott Aviation Corporation (P/N 21000-9 and P/N 21000-11); figures 7-48 through 7-55 are for East/West Industries P/N 67A73J100-2. These figures contain information on each assembly, subassembly and component part for each RSSK. The figure and index number, reference or part number, description and units per assembly are provided.

WARNING

Except interchangeable parts listed in the IPB, similar parts from kits made by different manufacturer's are not interchangeable. Attempts to substitute one manufacturer's part for another may cause the kit to malfunction. Make sure the parts and assembly lists are for the proper kit when servicing a kit, or ordering replacement components for it.

7-9. APPLICATION.

7-10. The RSSK-1/1A is part of the survival equipment used by aircrewmen aboard F-4 series aircraft.

7-11. FUNCTION.

7-12. When the aircrewman ejects from the aircraft, the following functions occur:

1. The lower block is separated from kit at intermediate block. As blocks separate, the automatic actuation lanyard for the emergency oxygen system actuates the reducer assembly. The aircrewman is then supplied with emergency oxygen for descent (figure 7-5).

NOTE

If automatic actuation of emergency oxygen fails, oxygen may be manually actuated by pulling the manual oxygen release.

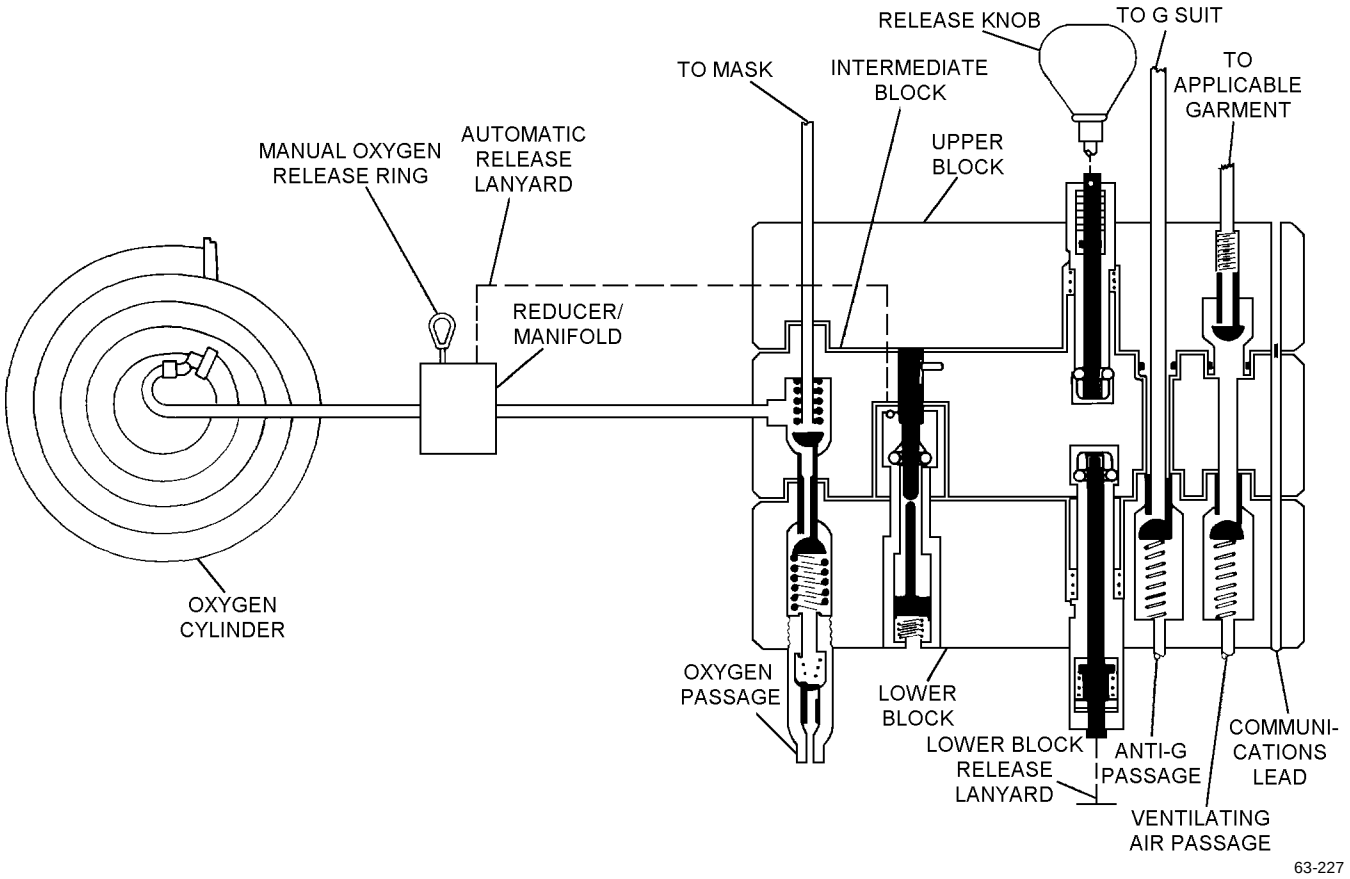


Figure 7-5. Oxygen Schematic

2. The radio beacon is also actuated by means of an automatic actuation lanyard at block separation. The beacon will provide a continuous signal during descent.

3. When the aircrewman reaches a safe altitude and wishes to deploy the survival kit, he pulls the kit release handle free of the kit. This unlocks the containers and the lower half falls away but remains attached by the dropline assembly. The liferaft, attached to the dropline, is automatically inflated as snubbing action on dropline actuates liferaft inflation assembly.

Section 7-2. Modifications

7-13. GENERAL.

7-14. The RSSK-1/1A shall be updated by comparing the configuration of the assembly with the directives listed in table 7-1.

Table 7-1. RSSK-1/1A Directives

Description of Modification	Application	Modification Code
Improved Retaining Method to Eliminate Misalignment of RSSK-1 Seat Cushion.	(Scott) RSSK-1, P/N 21000-9	66-319
Securing of RSSK-1/1A Equipment Container	All RSSK-1/1A Survival Kits	66-332 Amend. 1
Revised Reeving of RSSK-1/1A Retaining Straps	(Scott/Rocket Jet) RSSK-1/1A Survival Kits	66-324
Installation of AN/URT-33A Emergency Radio Beacon	(Scott/Rocket Jet) RSSK-1/1A Survival Kits	66-161 Part III, Amend. 1
Modification of Oxygen Manifold Toggle Arm	(Scott) RSSK-1, P/N 21000-9 P/N 21000-11	66-372
Improved Lapbelt Adjusters for RSSK-1/1A	All RSSK-1/1A Survival Kits	66-472

Section 7-3. Rigging and Packing

7-15. GENERAL.

7-16. Unless operational requirements demand otherwise, rigging and packing of the RSSK-1/1A shall be accomplished at Intermediate Levels of maintenance by qualified personnel.

NOTE

Quality assurance steps are provided for critical operations. When a step is underlined, the Aircrew Survival Equipmentman shall perform the operation and then have performance verified by Quality Assurance (QA).

7-17. RIGGING AND PACKING PROCEDURES.

7-18. Rigging and packing of the RSSK-1/1A is accomplished in eight separate operations as follows:

1. Preliminary Procedures
2. Radio Beacon Rigging and Installation
3. Survival Equipment Binding
4. Survival Equipment Packing
5. Stowing Dropline
6. Liferaft Preparation, Folding, Rigging and Packing
7. Closing Container
8. Cockpit Routing and Installation of the Emergency Radio Beacon Lanyard

7-19. PRELIMINARY PROCEDURES. The following preliminary procedures shall be accomplished prior to rigging and packing the RSSK-1/1A.

1. Ensure RSSK-1/1A and components have been inspected in accordance with Section 7-5.

2. Inspect oxygen hose assemblies in accordance with Chapter 4.

3. Remove upper container assembly from lower container assembly.

4. Remove liferaft cover. Inspect liferaft cover for damaged fabric and loose, broken, or frayed stitching.

WARNING

CO_2 bottle is under pressure. Use caution when disconnecting CO_2 bottle from liferaft. Do not loosen or attempt to remove inflation valve assembly from CO_2 cylinder.

CAUTION

Ensure actuating line is disconnected from CO_2 cylinder inflation valve before removal of CO_2 cylinder from liferaft.

5. Disconnect CO_2 cylinder from liferaft as follows:

a. Carefully remove liferaft from container.

b. Disconnect actuation line from CO_2 cylinder.

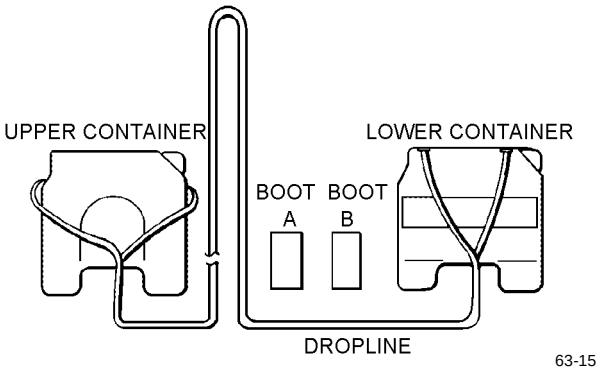
c. Disconnect CO_2 cylinder from liferaft.

d. Remove large loop of drop line from CO_2 cylinders neck.

e. Ensure anti-chafing disc is installed. Reconnect CO_2 cylinder to liferaft finger tight. If functional test is required torque valve 80 to 90 in-lbs.

6. Ensure liferaft and CO_2 cylinder have been inspected in accordance with NAVAIR 13-1-6.1-1.

7. Remove dropline from boots and align kit components on a clean flat surface as shown.



Step 7 - Para 7-19

NOTE

A newly fabricated or procured dropline assembly will have a final dimension of 26 feet, 4 inches ±2 inches. However, a dropline assembly is subjected to a certain amount of stretch during its stowing process, and shrinkage during its cleaning process, therefore a tolerance of ±12 inches is acceptable for an older dropline assembly.

8. Inspect dropline to ensure proper attachment to upper and lower containers. Also ensure dropline length is 26 feet, 4 inches ±12 inches.

9. Ensure survival items have been inspected in accordance with NAVAIR 13-1-6.5.

NOTE

Ensure battery service life does not expire prior to the next scheduled inspection cycle of the assembly in which the radio set is installed. Refer to NAVAIR 16-30URT33-1 for battery service life.

10. Remove radio beacon set from kit and ensure that the battery and radio beacon have been inspected in accordance with NAVAIR 16-30URT33-1.

11. Check seat pan and cushion assembly for cuts, tears, and abrasions, and hardware for security of attachment, corrosion, damage, wear, and ease of operation.

7-20. RADIO BEACON RIGGING AND INSTALLATION. To rig and install the AN/URT-33 Emergency Radio Beacon, proceed as follows:

Materials Required

Quantity	Description	Reference Number
1	Beacon Set, Radio AN/URT-33A	MIL-B-38401A
1	Actuator Indicator Assembly	CL204D3-11 (CAGE 80206) NIIN 00-127-5597
1	Lanyard, Actuating	CL204C4-5 (CAGE 80206) (Procure or fabricate IAW paragraph 7-89)
As Required	Thread, Nylon, Type II, Class A, Size E	V-T-295 NIIN 00-559-5211

Support Equipment Required

Quantity	Description	Reference Number
1	T-wrench	Fabricate IAW paragraph 7-86

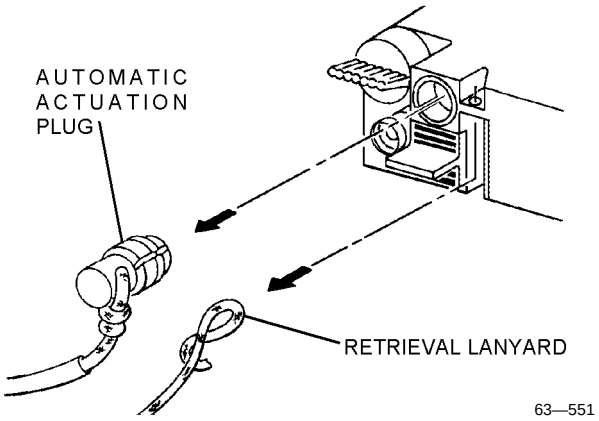
NOTE

Ensure slider switch on radio beacon is OFF. Slider switch is in OFF position when word ON is not visible on radio beacon housing.

Determine if beacon has been modified in accordance with steps 1 through 3 before proceeding to step 4.

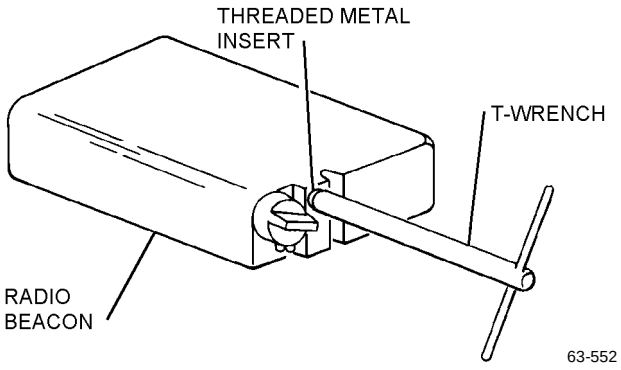
Retain automatic actuation plug, lanyard, and metal insert in shop area for possible future use.

1. Remove and retain automatic actuation plug and lanyard. Remove and discard retrieval lanyard.



Step 1 - Para 7-20

2. Remove threaded metal insert from beacon using locally manufactured T-wrench. (Refer to paragraph 7-86 for fabrication of T-wrench.)



Step 2 - Para 7-20

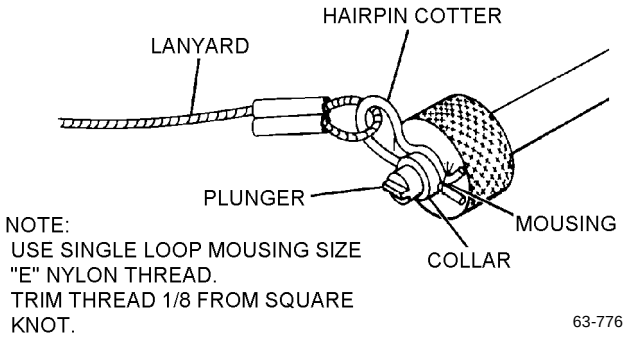
3. Connect flexible antenna to radio beacon. Push bayonet-type fitting in and turn to right.

4. Install actuator indicator assembly handtight into position in beacon from which metal insert was removed.

NOTE

Do not release pressure against plunger until hairpin cotter has been installed.

5. Depress indicator plunger, align pin holes in plunger and collar, and insert hairpin cotter attached to end of actuation lanyard. Safety-tie open end of hairpin cotter with single loop mousing secured with a square knot. Use size E nylon thread. Cut off excess length of thread 1/8 inch from square knot.



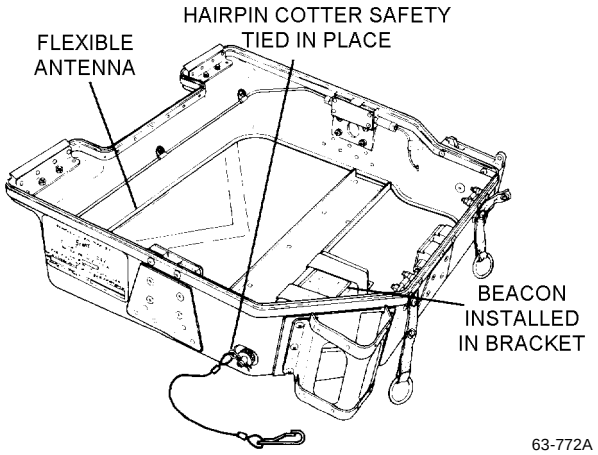
Step 5 - Para 7-20

6. Ensure hairpin cotter and collar are free to rotate 360° without binding. If hairpin cotter and collar are free proceed to step 7. If hairpin cotter and collar do not rotate, refer to NAVAIR 16-30URT33-1.

NOTE

To prevent accidental transmission of inaudible emergency distress signal, ensure indicator plunger is secure in depressed position before beacon ON/OFF slider switch is placed in ON (armed) position.

7. Place beacon ON/OFF slider switch in ON (armed) position and install beacon in radio beacon bracket in lower container. Route free end of attached actuation lanyard through opening in side of container. Position beacon in bracket so tip of actuator assembly (tip of plunger, hairpin cotter and lanyard, and collar) extends through opening in side of container. Ensure slider switch is secure in ON position under finger bar of beacon bracket assembly, then secure beacon using hook and pile fasteners.



Step 7 - Para 7-20

8. Route flexible antenna around inside periphery of lower container.

7-21. SURVIVAL EQUIPMENT BINDING. Ensure all survival items have been inspected in accordance with NAVAIR 13-1-6.5 Technical Manual before binding. To bind survival items, proceed as follows (table 7-2)

NOTE

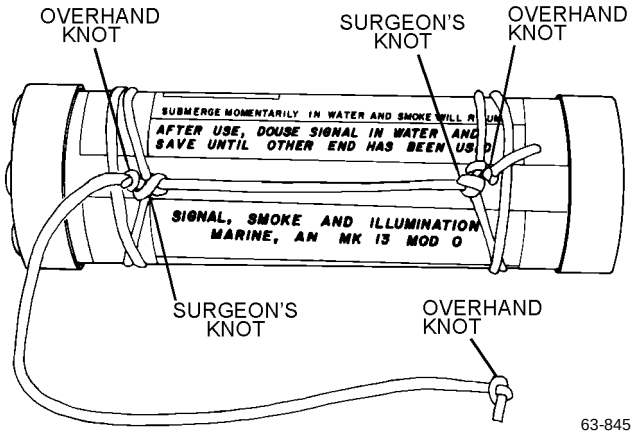
To prevent loss of survival items, tie individually and then tie to 140-inch length of nylon cord. Nylon cord of prescribed lengths required for this procedure shall be seared at both ends to prevent fraying (table 7-3).

All cord used shall be Type I nylon (MIL-C-5040).

The cord between end-ties shall be drawn tight.

1. Using a 36-inch piece of nylon cord, tie an overhand knot in each end. Wrap end of cord two overlapping turns around end of signal flare and tie with a surgeon's knot. Position cord-end overhand knot snugly against surgeon's knot.

2. Route cord to opposite end of signal flare. Wrap cord two overlapping turns around flare and tie with surgeon's knot followed by an overhand knot positioned snugly against surgeon's knot.



Step 2 - Para 7-21

3. Tie the other signal flare in the same manner as steps 1 and 2.

Table 7-2. Survival Kit Items (Note 1)

Item Name	Quantity	Reference Number
Cord, (Nylon), Fibrous, Type I	50 ft	NAVAIR 13-1-6.5
Signal, (Flare), Smoke and Illumination, MK-13 MOD 0 or MK-124 MOD 0 (Note 2)	2	NAVAIR 13-1-6.5
Sea (Dye) Marker, Fluorescein	2	NAVAIR 13-1-6.5
Sponge, (Bailing), Cellulose Type II, Class 2	1	NAVAIR 13-1-6.5
SRU-31/P Survival Kit, Packet #1 (Medical) (Note 3)	1	NAVAIR 13-1-6.5
SRU-31/P Survival Kit, Packet #2 (General) (Notes 3 and 4)	1	NAVAIR 13-1-6.5
SRU-31A/P (Note 9)	Optional	NAVAIR 13-1-6.5
Water, Drinking, Canned (Note 5)	1	NAVAIR 13-1-6.5
Water, Drinking, Emergency (Note 8)	3	NAVAIR 13-1-6.5
Opener, Can, Hand	1	NAVAIR 13-1-6.5
Ground/Air Emergency Code Card	1	NAVAIR 13-1-6.5
Blanket, (Combat) Casualty, (3 oz) (Note 6)	1	NAVAIR 13-1-6.5
Envelope, Packing List	2	NAVAIR 13-1-6.5
Beacon Set, Radio	1	NAVAIR 13-1-6.5
Liferaft, Inflatable	1	NAVAIR 13-1-6.5
Lowering Device (Note 7)	1	NAVAIR 13-1-6.1-1

Notes:
1. The items listed are typical and are considered mandatory for inclusion in the survival kit container. Deviation from the listed items may be required by certain Functional Air Wings (FUNCWINGS), Carrier Air Wings (CVW), COMFAIRS, or Marine Air Wings (MAW). Requests for deviations must be forwarded to and authorized by TYCOMS and with information to Fleet Support Team (FST) at NAVAIR-WARCENACDIV Patuxent River MD via Naval Message. When optional items are substituted, particular attention must be paid to the binding sequence so that physical sizes and binding order of substituted items remain approximately the same. That portion of an item name in parentheses is a common-use name or container size and is not intended for supply requisition purposes.
2. MK-13 MOD 0 shall be used until stocks are depleted. MK-124 MOD 0 will replace MK-13 MOD 0 as stocks become available.
3. SRU-31/P complete kits including Medical Packet (#1) and General Packet (#2) may be ordered; instructions for packing and ordering these kits are found in NAVAIR 13-1-6.5.
4. Packet #2 must be stowed on aviator if kit includes lowering device (RSSK-1A only).
5. One additional canned water may be added as optional equipment (RSSK-1A only).
6. Optional equipment (without lowering device).
7. Optional equipment (RSSK-1A only). Not feasible in RSSK-1.
8. When the supply for emergency canned water has been exhausted, order emergency bagged water in accordance with NAVAIR 13-1-6.5.
9. The selection of SRU-31/P or SRU-31A/P Individual Aircrewmember's Survival Kit will be at the discretion of the TYPE COMMANDER depending on mission requirements, reference NAVAIR 13-1-6.5, Chapter 9, for detailed information.

Table 7-3. Nylon Cord Lengths Required for Binding

Length (Inches)	No. Required
140	1
12 (Note 1)	4
30	2
36	2
40	2
50 (Note 1)	2

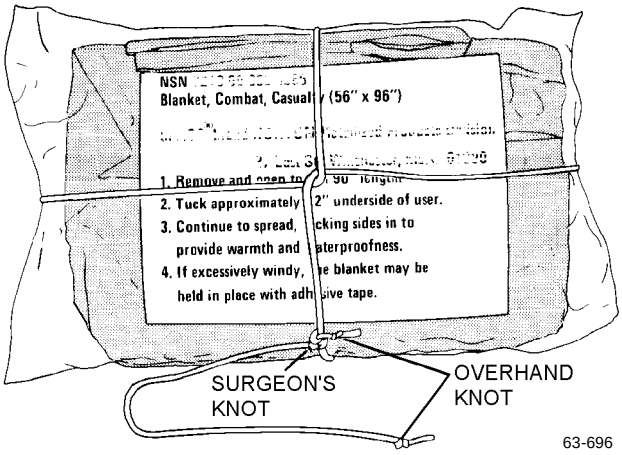
Notes: 1. When using bagged water in place of canned emergency water, the number of required 12 inch lengths will be a total of 5 and the required 50 inch lengths will be a total of 1.

4. Using a 12-inch piece of nylon cord, tie an overhand knot near each end. Pass overhand knot through center grommet in dye marker and tie a bowline knot, allowing approximately a 1-inch loop. Bowline knot shall lie snugly against overhand knot.

Step 4 - Para 7-21

5. Tie the second sea dye marker in the same manner as step 4.

6. If casualty blanket is used, tie an overhand knot near each end of a 30-inch piece of nylon cord. Wrap cord around blanket until cord ends meet, then rotate cords 1/4 turn and wrap cords around opposite sides of blanket. Tie with a surgeon's knot. Ensure cord-end overhand knot is positioned snugly against surgeon's knot.



Step 6 - Para 7-21

7. Using a 50-inch piece of nylon cord, tie an overhand knot near both ends. Wrap one end of cord two overlapping turns around end of canned water and tie with surgeon's knot. Position cord-end overhand knot snugly against surgeon's knot. Route cord to opposite end of can. Wrap cord two overlapping turns around end of can and tie with surgeon's knot followed by an overhand knot positioned snugly against surgeon's knot. Cord between end-ties shall be drawn tight.

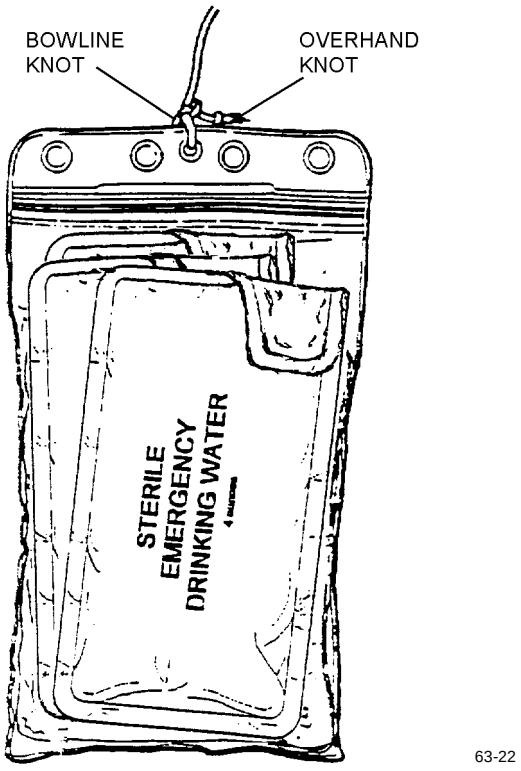
Step 7 - Para 7-21

8. If second canned water will be used secure it in same manner as step 7.

NOTE

Replacement rate of exhausted canned water shall be in accordance with the NAVAIR 13-1-6.5 manual. Bagged emergency drinking water shall be stowed in the same order as canned emergency water. The bags of water shall be stowed in a flat configuration.

9. Bagged water. Place a maximum of three 4-ounce bagged emergency drinking water flat inside a clear vinyl envelope (MIL-B-117) with pour spout folded down. Bagged water must be able to fit into envelope without disrupting the closure of the sealing slide fastener. Using a 12-inch length of cord, tie an overhand knot on each end and pass knot through center hole in envelope. Secure with bowline knot, allowing an approximate 1-inch loop. Position an overhand knot snugly against the bowline knot. Ensure overhand knot is snug against surgeon's knot.

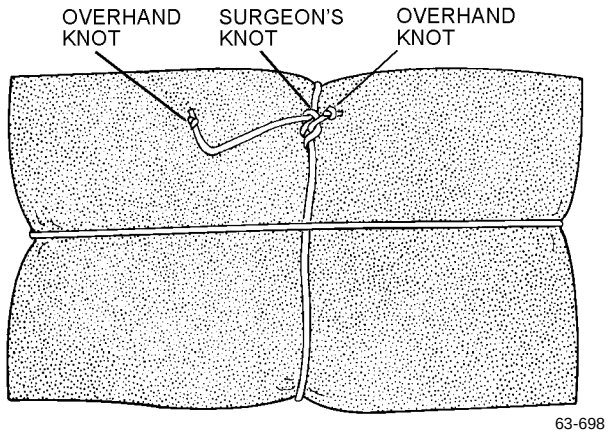


Step 9 - Para 7-21

NOTE

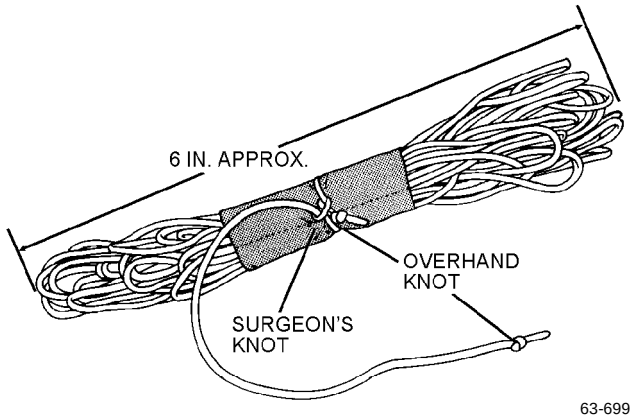
Bailing sponge should be compressed to minimum thickness by compressing while damp and then allowing to dry in compressed state before tying.

10. Using 30-inch length of nylon cord, tie overhand knot near ends. Wrap cord around sponge until cord ends meet, then rotate cords 1/4 turn and wrap cords around opposite sides of sponge. Tie with surgeon's knot. Ensure cord-end overhand knot is positioned snugly against surgeon's knot.



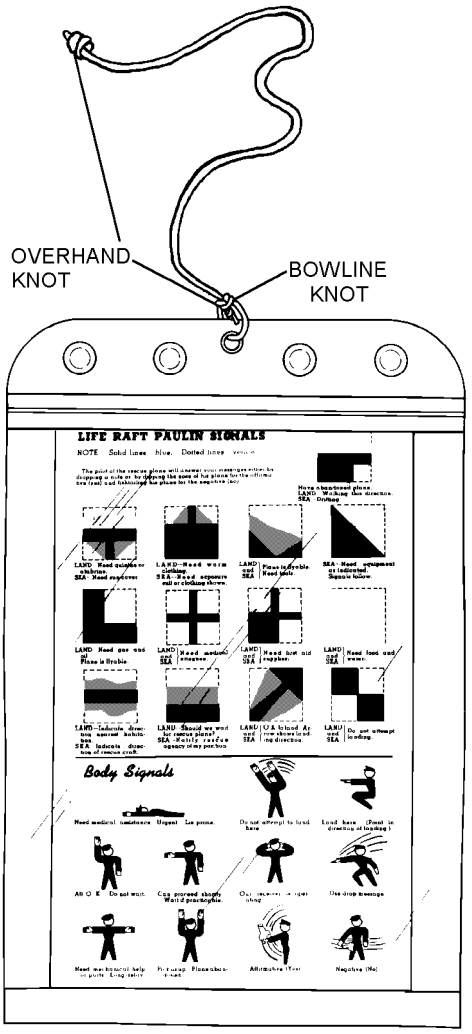
Step 10 - Para 7-21

11. Cut one 2 x 3-inch piece of nylon duck material. Accordion-fold 50-foot length of nylon cord in 6-inch bights, and wrap material around center of accordion-folded cord. Using 12-inch piece of nylon cord, tie overhand knot near each end and secure one end of cord in center of material with surgeon's knot. Ensure cord-end overhand knot is snugly against surgeon's knot



Step 11 - Para 7-21

12. Place Ground/Air Emergency Code Card into clear vinyl plastic envelope (MIL-B-117) and close sealing zipper. Using 12-inch piece of cord, tie overhand knot in each end and pass knot through center hole in envelope. Secure with bowline knot, allowing 1-inch loop. Cord-end overhand knot shall be snugly against bowline knot.



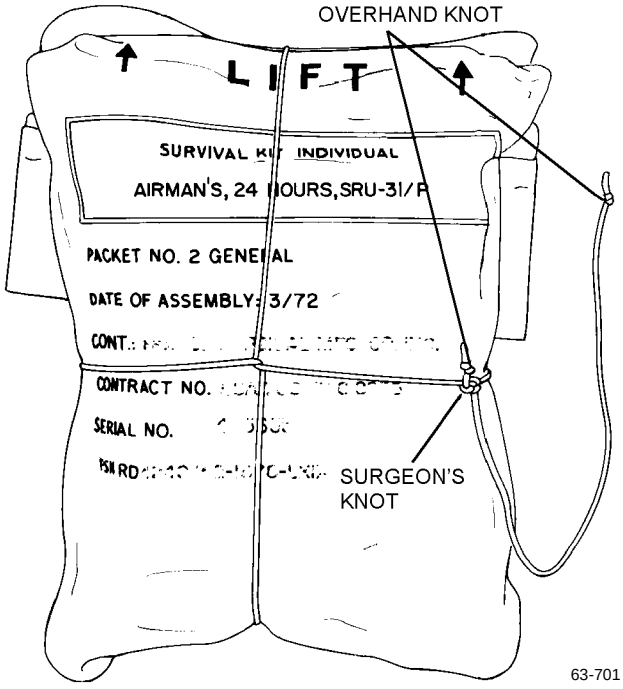
Step 12 - Para 7-21

NOTE

If Personnel Lowering Device (PLD) is to be installed (RSSK-1A only), SRU-31/P Survival Kit shall be stowed on aviator.

SRU-31/P Packet #1 (Medical) shall be folded approximately double prior to binding.

13. Using 40-inch length of nylon cord, tie overhand knot in both ends. Wrap cord around one packet of SRU-31/P Survival Kit until cord ends meet, then rotate cords 1/4 turn and wrap cords around opposite sides of packet. Tie with surgeon's knot. Cord-end overhand knot shall be snugly against surgeon's knot.



Step 13 - Para 7-21

14. Secure the second SRU-31/P packet in the same manner as step 12.

15. Ensure survival items are properly tied.

16. Using the 140-inch length of Type I nylon cord, form a 3/4 to 1-inch overhand loop approximately 12 inches from one end. Continue forming loops every 5 inches until there are enough to accommodate all required survival items. Ensure a minimum of 25 ±1 inches of cord remain after forming the last overhand loop.

17. Tie each item to a loop on the 140-inch nylon cord (figure 7-6) using a surgeon's knot. Ensure each item's cord-end overhand knot is positioned snugly against surgeon's knot.

CAUTION

Ensure pointed end of can opener has adequate chafing cloth to prevent damage to other survival items.

18. Route 12-inch end of the 140-inch cord through the hole in the can opener and secure with a 1-inch loop bowline knot, followed by an overhand knot drawn snugly against bowline knot. Wrap can opener with chafing cloth secured by a rubber band (figure 7-6).

7-22. SURVIVAL EQUIPMENT PACKING. To pack survival equipment, proceed as follows:

1. Place equipment container on table with attaching loops facing packer and word EQUIPMENT facing up.

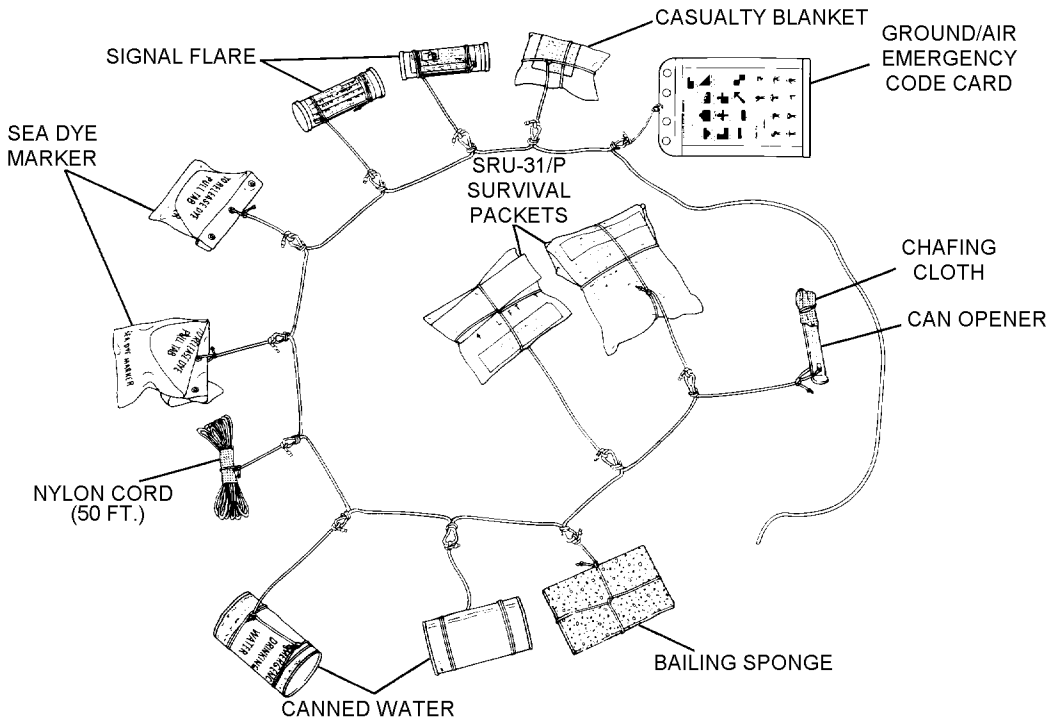
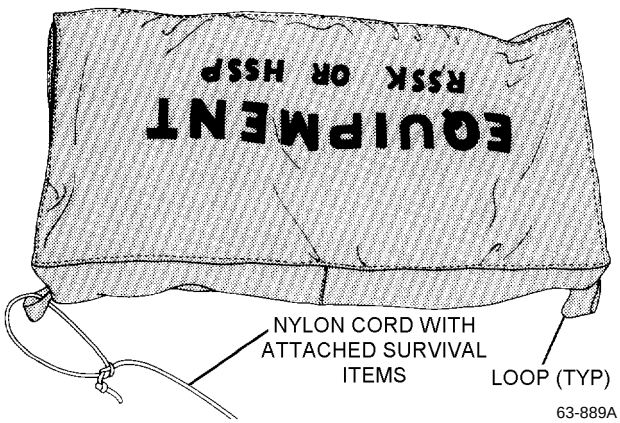


Figure 7-6. Binding Survival Items

2. Attach bitter end of 140-inch nylon cord (with attached survival items) to loop on left side of equipment container. Make the attachment using a bowline knot with an approximate 2-inch loop. Position bowline knot so cord-end overhand knot rests snugly against bowline.



Step 2 - Para 7-22

3. Open equipment container by pulling left slide fastener to right.

NOTE

Survival items shall be stowed in neat and orderly fashion and items shall be arranged to obtain flattest possible pack.

Can opener shall be positioned so that it cannot damage other survival items.

4. Stow survival items within height, length, and width of equipment container.

5. Close equipment container.

6. Place equipment container in forward part of lower container with slide fastener facing forward (figure 7-7).

NOTE

All tacking cord shall be coated with mixture of 50% beeswax and 50% paraffin. Cord may be dipped in melting pot 160° to 200°F, or drawn across solid block of mixture.

7. Cut 52 ±1-inch piece of nylon cord, Type III, MIL-C-5040, and sear ends. Secure cord to equipment container and dropline as shown in figure 7-7.

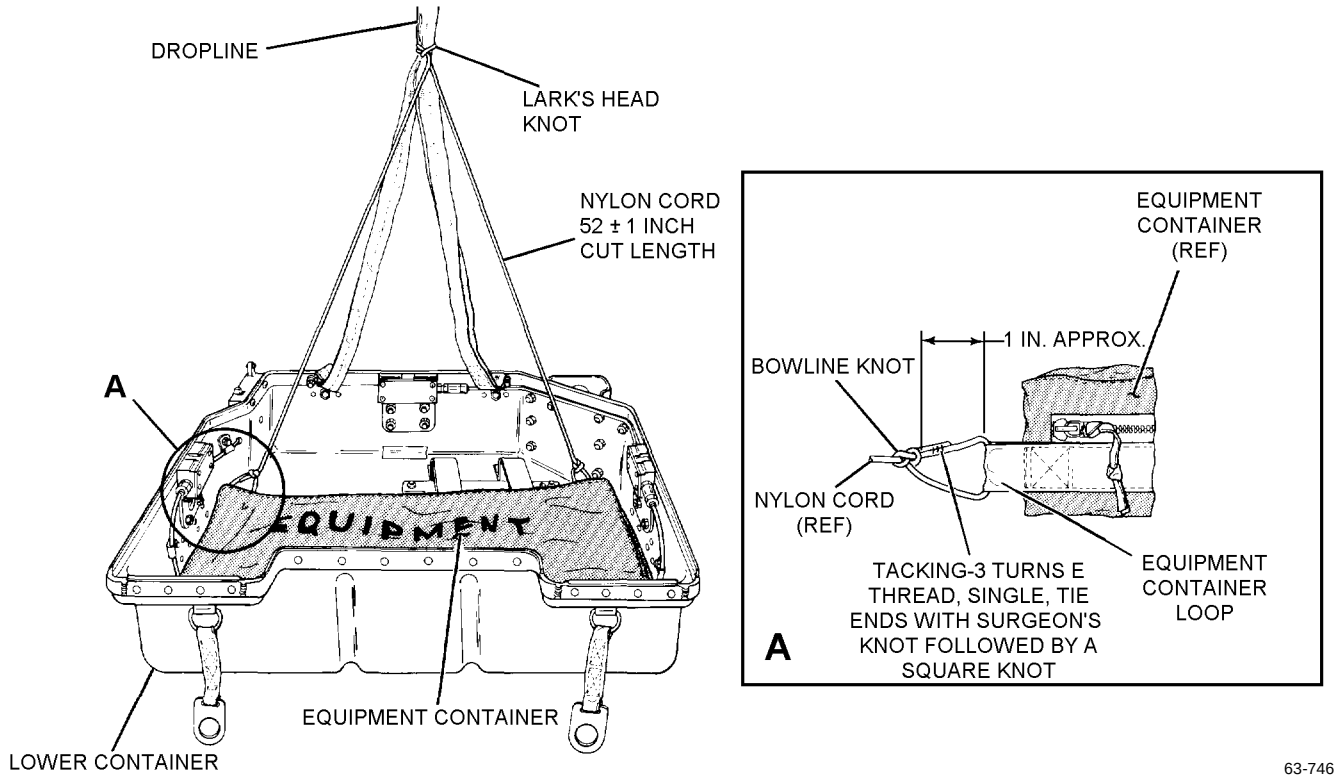


Figure 7-7. Stowed Survival Equipment

7-23. STOWING DROPLINE. To stow dropline in boots, proceed as follows:

NOTE

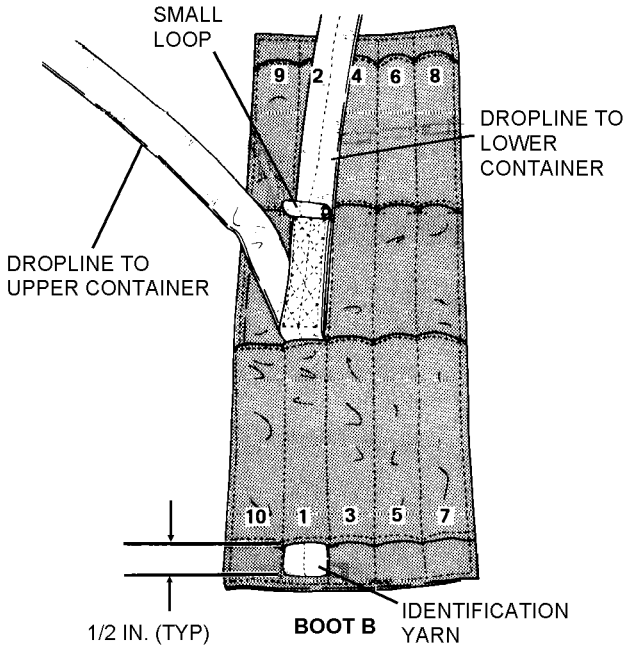
Stowage boots are referred to as boot A and boot B for identification purposes only. There are no physical differences between boots; letters A and B do not actually appear on them.

Numbers on stowage channels of boots correspond to dropline bights and order in which they are to be stowed. Numbers appear in illustrations for clarity; they do not actually appear on stowage boots.

The identification yarn on earlier fabricated dropline assemblies may be located on the underside of the webbing. However, procedural steps depicting identification yarn location will be reversed throughout the dropline stowage procedures for these assemblies. Future fabrication of the dropline for the RSSK-1/1A will be in accordance with paragraph 7-84.

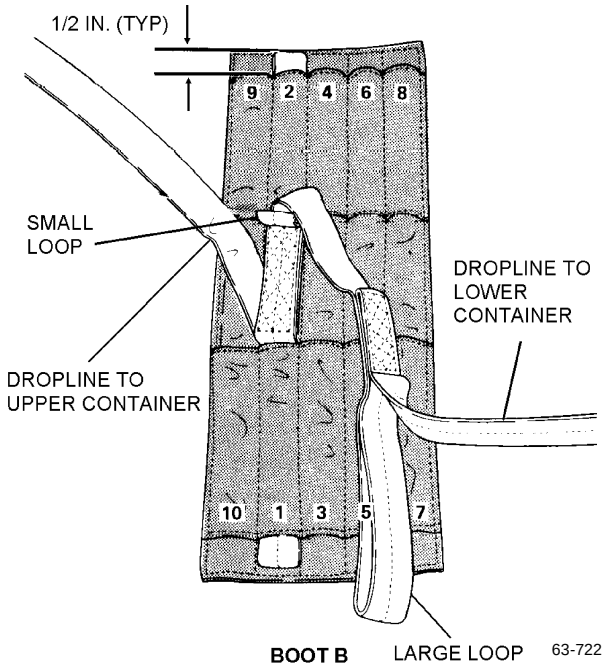
1. Lay dropline flat between container halves with dropline loops facing up. Remove all twists from dropline before beginning stowing operation.

2. Position boot B to left of lower container. Form first bight 5 ±1/2 inches from base of small loop stitching. Bight shall be in portion of dropline going to upper container, and small loop shall face up. Stow bight in channel 1 of boot B. Push bight in channel with 7-inch length of 3/8-inch hardwood dowel tapered at one end. There shall be 1/2-inch protrusion at end of channel and identification yarn shall be visible at protrusion.



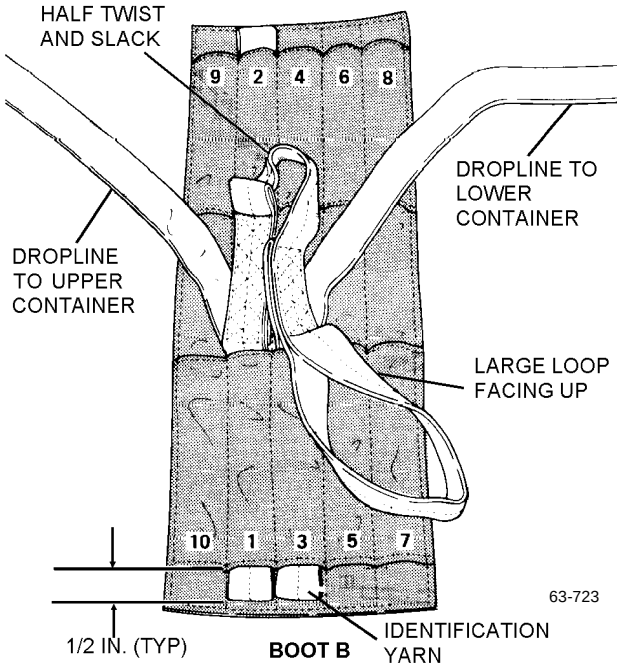
Step 2 - Para 7-23

3. Second bight shall be formed in portion of dropline going from small loop to large loop, and shall be stowed in channel 2. Identification yarn shall not show at protrusion.



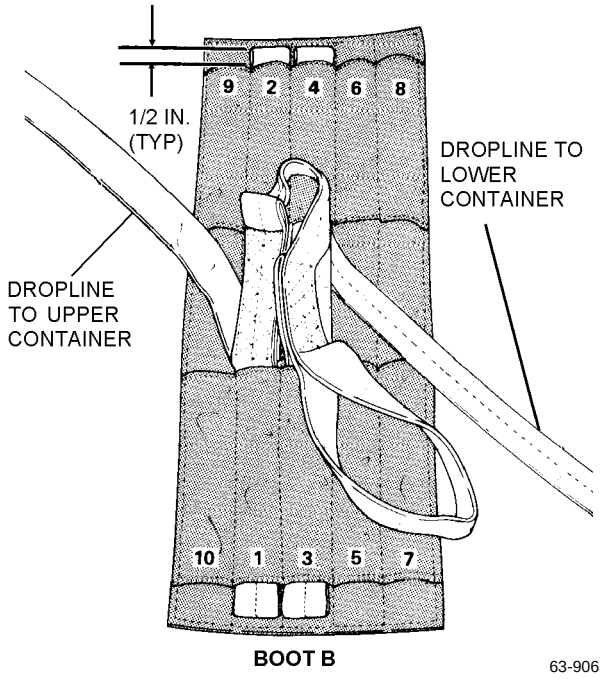
Step 3 - Para 7-23

4. Place a half-twist in dropline by rotating clockwise so that large loop faces up. Stow third bight in channel 3. A small amount of slack may exist between bights 2 and 3. Identification yarn shall be visible at protrusion.



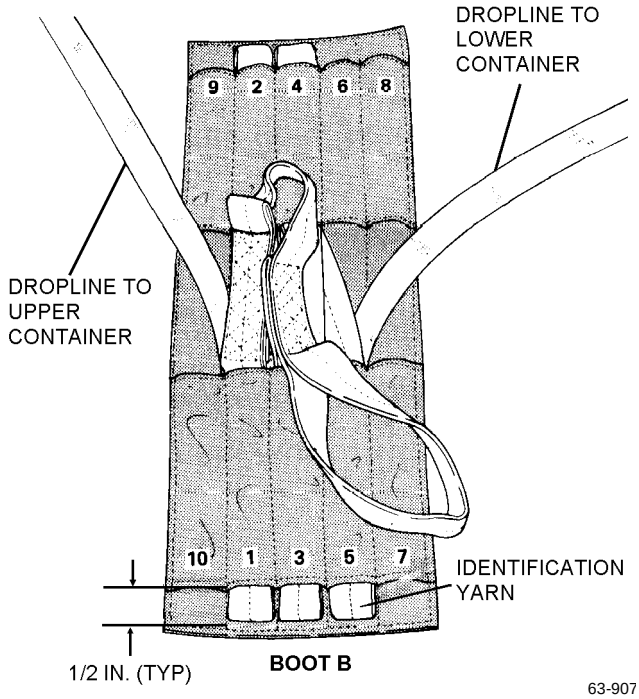
Step 4 - Para 7-23

5. Stow fourth bight in channel 4, ensuring that identification yarn does not show at protrusion.



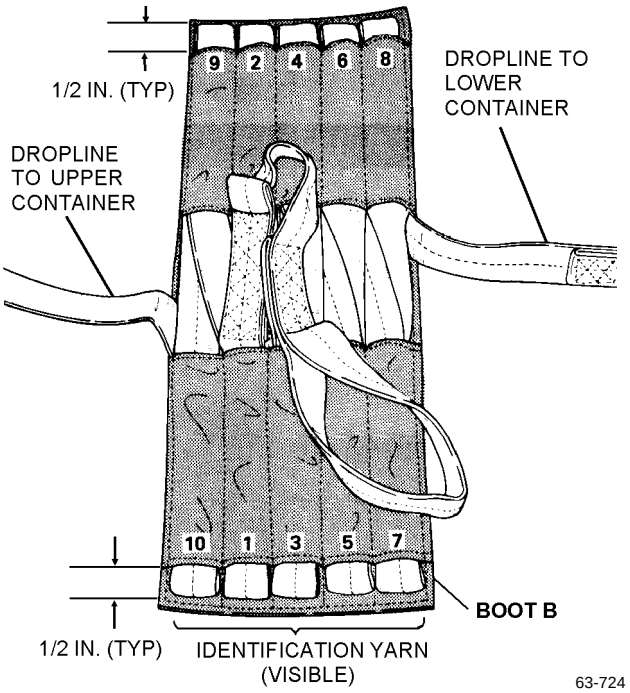
Step 5 - Para 7-23

6. Stow fifth bight in channel 5, ensuring that identification yarn is visible at protrusion.



Step 6 - Para 7-23

7. Stow remainder of dropline in boot B in accordance with numbering sequence on boot as shown, maintaining 1/2-inch protrusion. If there is insufficient line, due to allowable tolerance in length of dropline, a full stow may be impossible in channel 8.

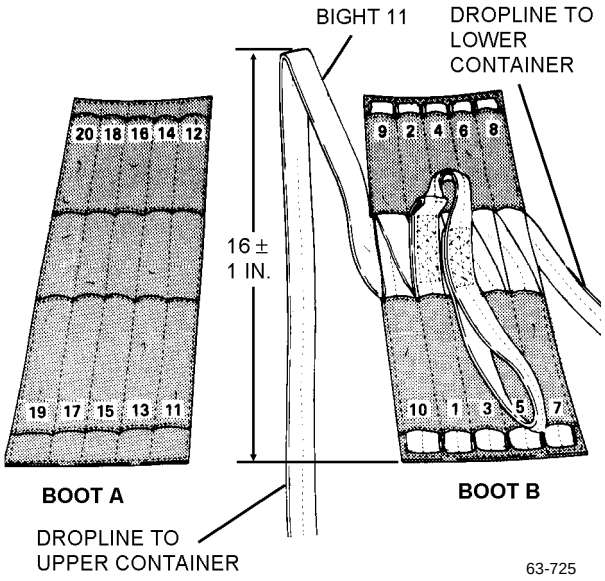


Step 7 - Para 7-23

NOTE

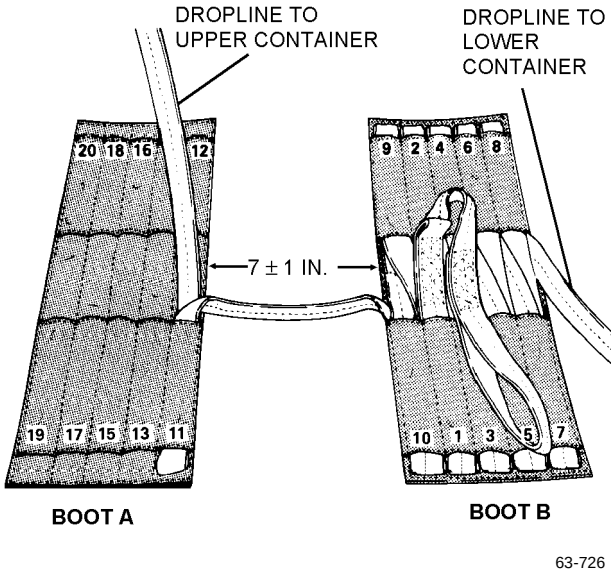
Upon the completion of step 7, identification yarn shall be visible at channels 1, 3, 5, 7 and 10, and shall not show at channels 2, 4, 6, 8 and 9.

8. Form bight 11 in dropline 16 ±1 inch from bottom of last bight (bight 10) in boot B.



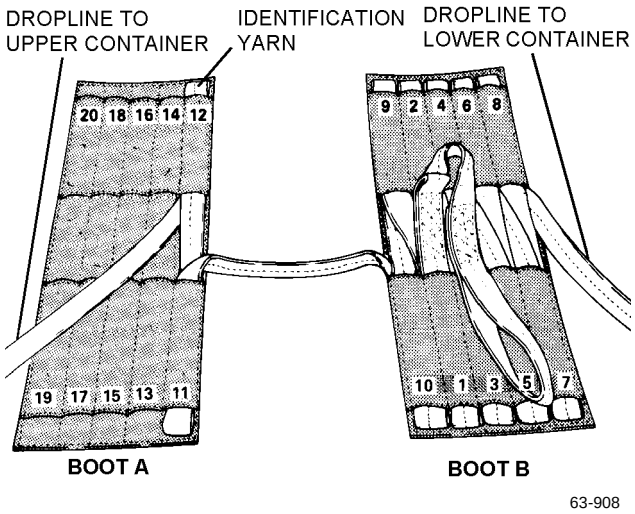
Step 8 - Para 7-23

9. Stow bight 11 (formed in step 8) in channel 11 of boot A. There shall be 7 ±1 inch of dropline between boots A and B when bight 11 is stowed. Identification yarn shall not show at protrusion.



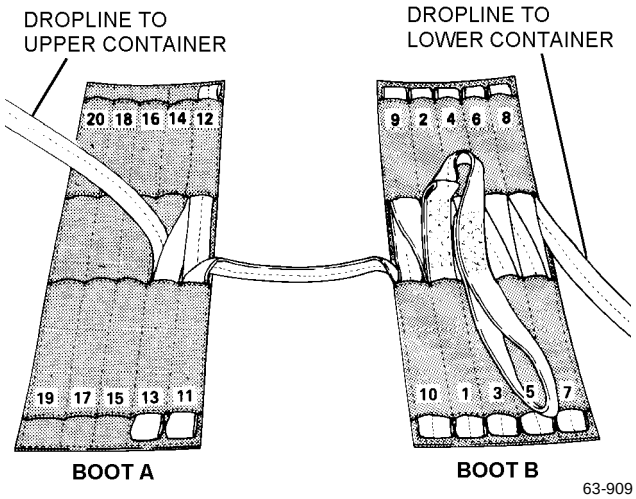
Step 9 - Para 7-23

10. Stow bight 12 in channel 12 of boot A. Identification yarn shall be visible at protrusion.



Step 10 - Para 7-23

11. Stow bight 13 in channel 13. Identification yarn shall not show at protrusion.



Step 11 - Para 7-23

12. Continue stowing bights in boot A until all line is stowed. Maintain 1/2- inch protrusion (figure 7-8).

NOTE

Upon the completion of step 12 identification yarn shall be visible at channels 12, 14, 16, 18 and 20 and shall not show at channels 11, 13, 15, 17 and 19.

13. Ensure all stows are properly formed and that there are no twists in dropline.

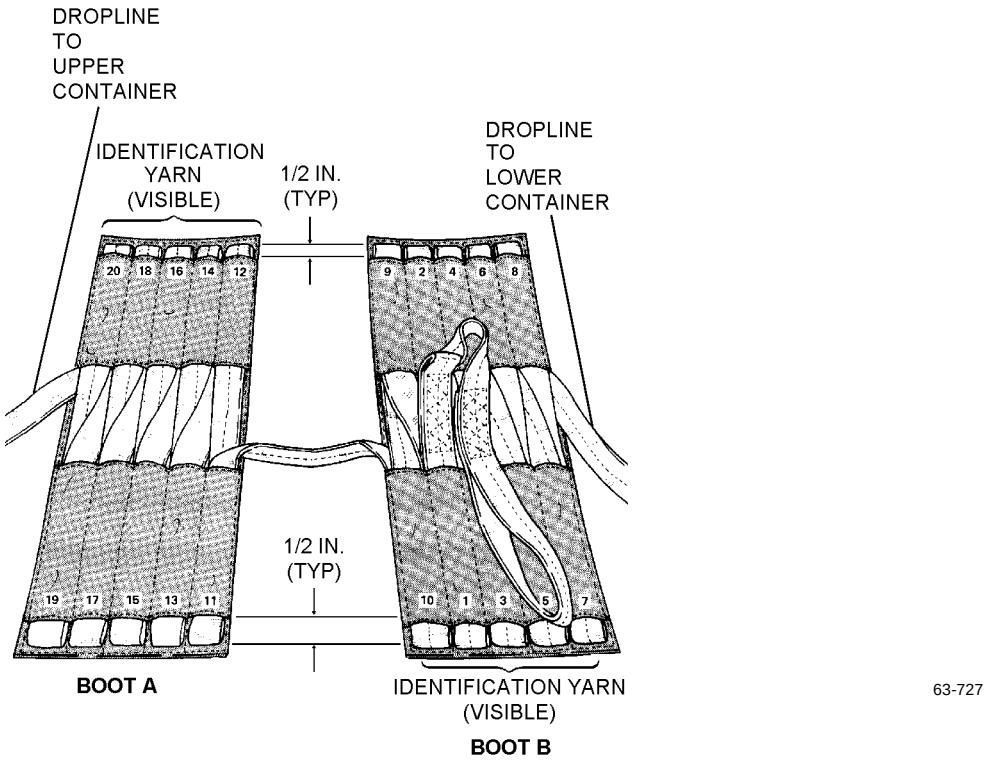


Figure 7-8. Stowage of Dropline

7-24. LIFERAFT PREPARATION, FOLDING, RIGGING AND PACKING. To prepare, fold, rig and pack the LR-1 liferaft, proceed as follows:

Materials Required

Quantity	Description	Reference Number
As Required	Cord, Nylon, Type III 550-pound	MIL-C-5040 NIIN 00-240-2146
As Required	Talc, Technical	MIL-T-50036A
As Required	Thread, Nylon, Type II, Class A, Size E	V-T-295 NIIN 00-244-0609
As Required	Thread, Nylon, Type II, Class A, Size 6	V-T-295 NIIN 00-559-5211
1 (Optional)	Lowering Device, Personnel	CL213D2-1 (or Fabricate IAW NAVAIR 13-1-6.5)

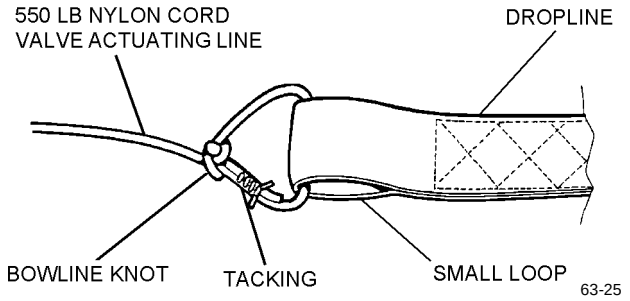
Support Equipment Required

Quantity	Description	Reference Number
1	Wrench, Torque 0-150 lb-in.	TE-6FUA (CAGE 55729)

1. If the valve actuating line is damaged, incorrectly installed or not installed, install new line in accordance with steps 2 and 3.

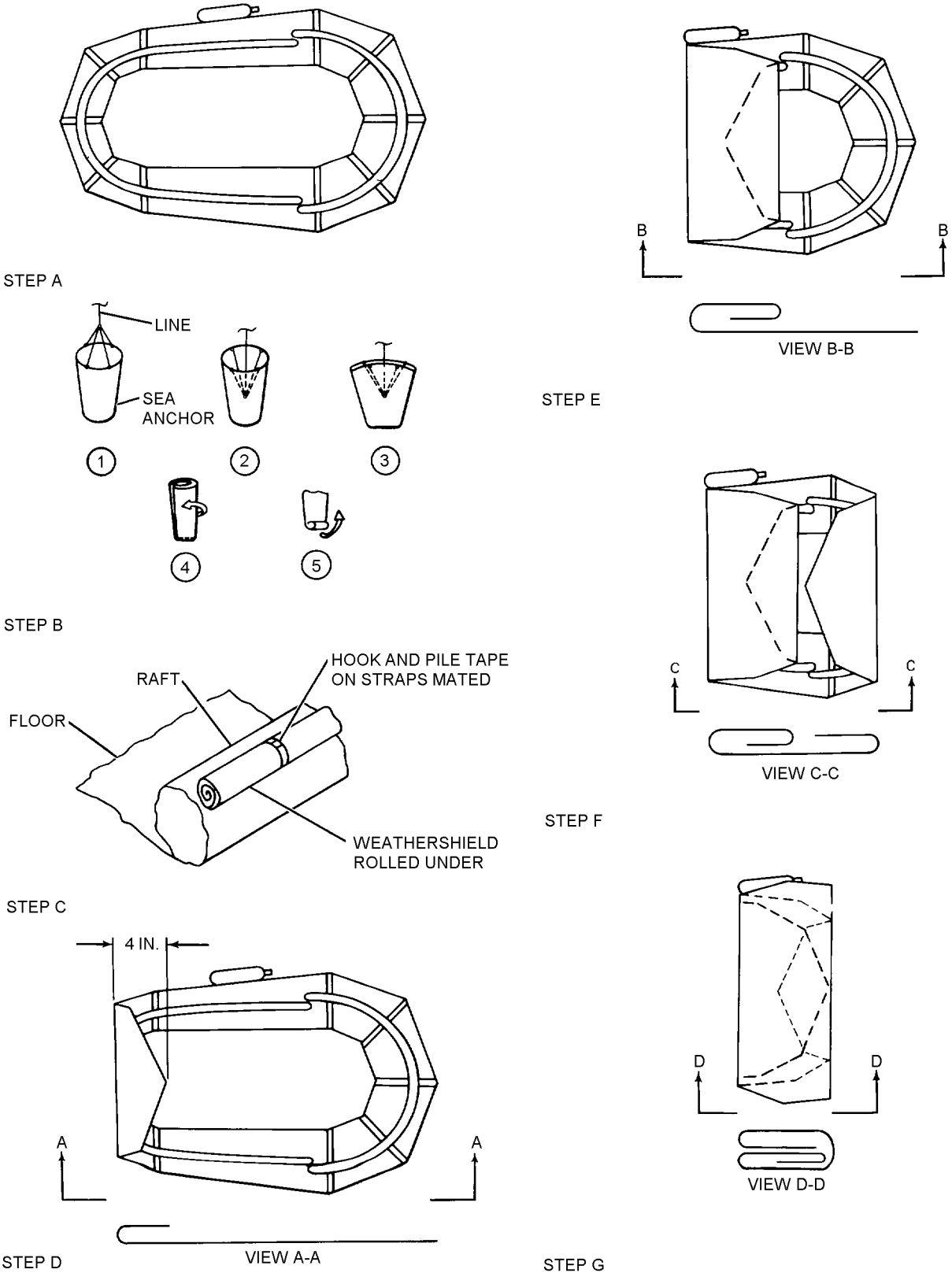
2. Cut 15-inch length of 550-pound nylon cord and sear ends.

3. Route one end through small loop on dropline and tie bowline knot. Tack with three turns of waxed, size E nylon thread, single. Tie ends with surgeon's knot followed by square knot.



Step 3 - Para 7-24

4. Lay raft assembly flat with inside facing upward (step A, figure 7-9).



63-708

Figure 7-9. Folding Liferaft

5. Ensure all trapped air is expelled from liferaft and oral inflation valve is locked and stowed in pocket prior to folding.

6. Lightly dust entire liferaft assembly with talc (MIL-T-50036A).

7. Secure sea anchor line in 3-inch bights; fold and stow in pocket (step B, figure 7-9).

8. Roll and secure weathershield (step C, figure 7-9).

9. Fold liferaft.

a. Fold stern of liferaft over approximately 4 inches (step D, figure 7-9).

b. Fold liferaft over at rear of CO_2 cylinder (step E, figure 7-9).

c. Fold bow of liferaft over to fold formed in step b (Step F, figure 7-9).

d. Fold bow portion of liferaft over on top of previous folds. Maximum width of folded liferaft shall not exceed width of RSSK-1/1A upper container. Adjust folds as necessary (step G, figure 7-9).

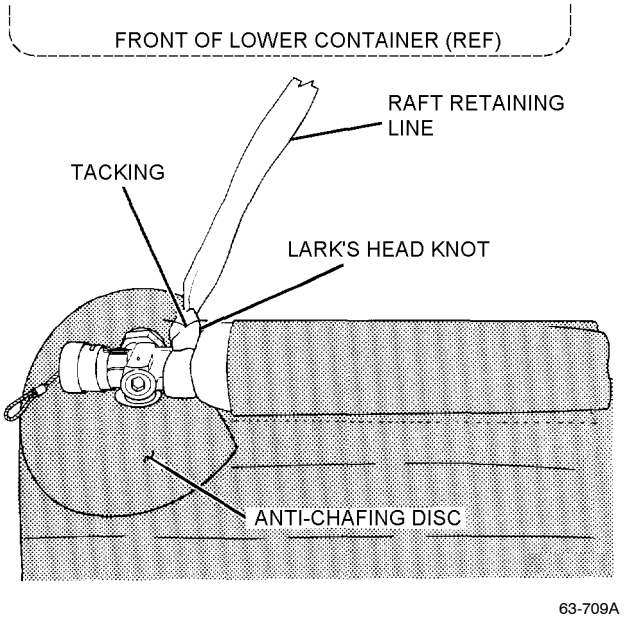
10. Turn folded liferaft over. Place liferaft assembly forward of lower container with carbon dioxide cylinder positioned toward lower container and facing up. Inflation valve assembly shall face release handle side of survival kit.

WARNING

Gas under pressure. Do not loosen or attempt to remove inflation valve assembly from carbon dioxide cylinder.

11. Disconnect inflation valve from liferaft. Do not remove cylinder from stowage pocket. Retain anti-chafing disc on inlet check valve.

12. Attach retaining line to cylinder with lark's head knot. Pull knot tight, and tack with two turns of waxed nylon thread, size 6, single. Tie ends with surgeon's knot followed by square knot.



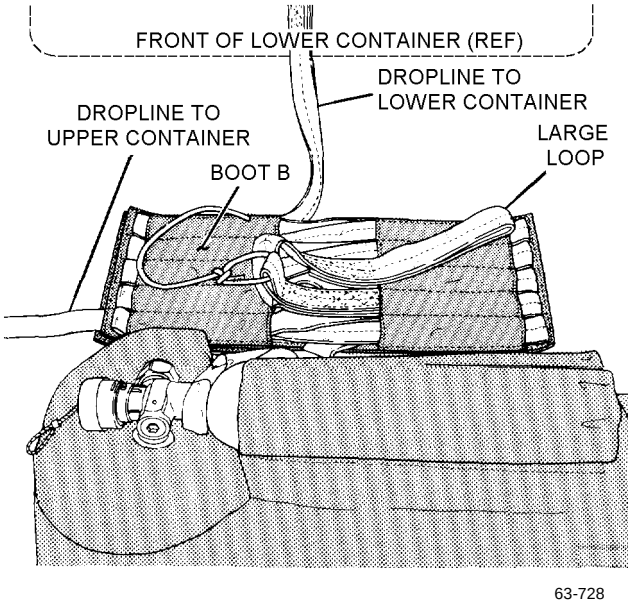
Step 12 - Para 7-24

13. Accordion-fold remainder of retaining line and stow in liferaft retaining line pocket. Close pocket closure tab, and secure with hook and pile tape.

NOTE

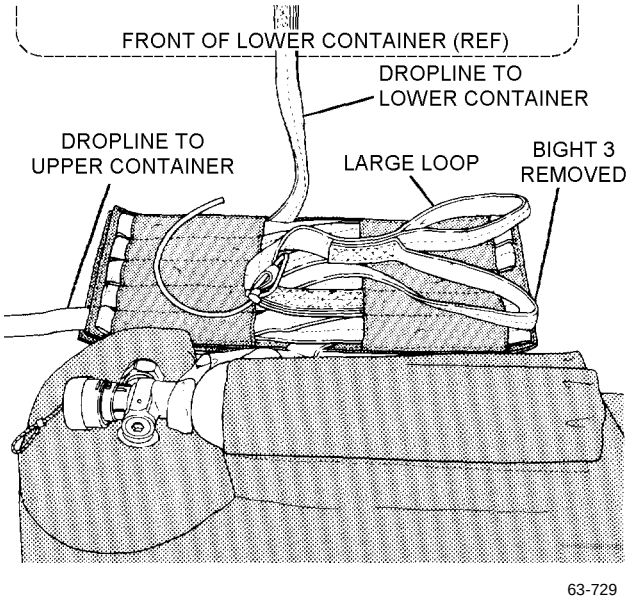
When repositioning boots, it may be necessary to move upper container. Make adjustments as necessary.

14. Position boot B on top of boot A and place boots between liferaft and lower container with large loop of dropline facing to right.



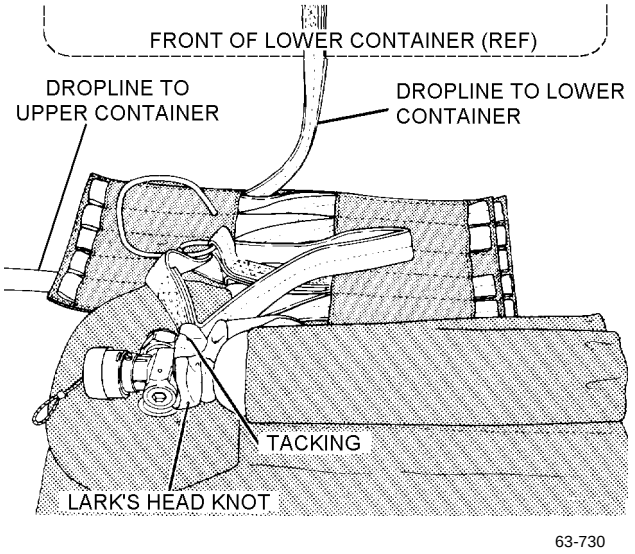
Step 14 - Para 7-24

15. Remove bight from channel 3, boot B.



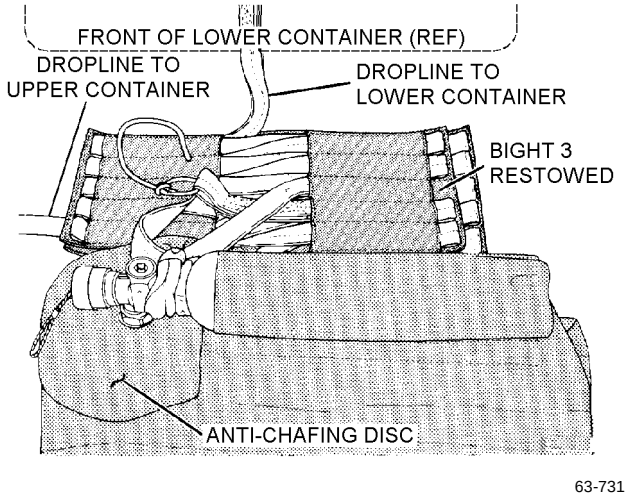
Step 15 - Para 7-24

16. Attach large loop of dropline around neck of inflation valve at cylinder with lark's head knot. Pull knot tight and tack with two turns of waxed nylon thread, size 6, single. Tie ends with a surgeon's knot followed by square knot.



Step 16 - Para 7-24

17. Ensure CO_2 cylinder anti-chafing disc is installed. Attach inflation valve to liferaft inlet valve and tighten coupling nut to a torque value of 80 to 90 in-lbs. Stow bight removed from channel 3 of boot B. Bight will not extend full length of channel.

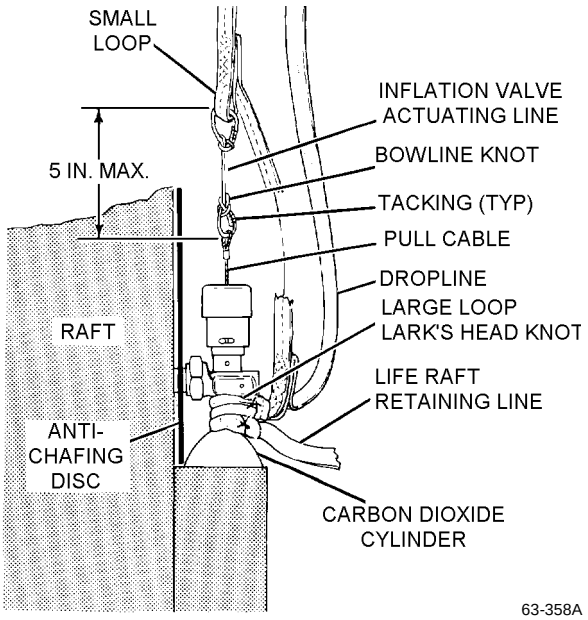


Step 17 - Para 7-24

WARNING

Final dimension of valve actuating line is critical. Finished length shall not exceed 5 inches.

18. Pass actuating line through loop in end of pull cable. Tie a loop using bowline knot. Tack with three turns of waxed nylon thread, size E, single. Tie ends with surgeon's knot followed by square knot. Finished length shall not exceed 5 inches.

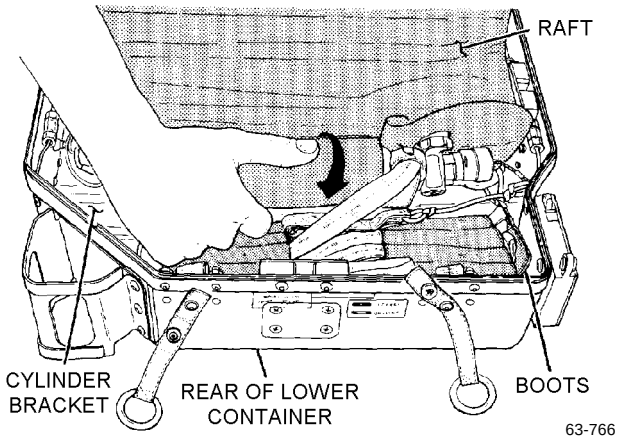


Step 18 - Para 7-24

NOTE

Stow liferaft CO_2 cylinder and boot assemblies simultaneously to avoid unnecessary removal of stowed dropline from boot B and to prevent inadvertent actuation of CO_2 cylinder.

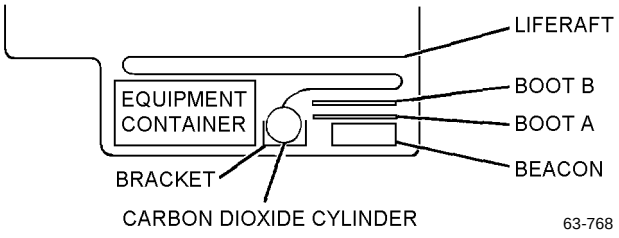
19. Rotate CO_2 cylinder and boot assemblies into rear portion of lower container. Position boot assemblies flat across rear portion on top of radio beacon and place CO_2 cylinder into bracket.



Step 19 - Para 7-24

20. Position excess dropline in such a manner as to avoid any possibility of entanglement.

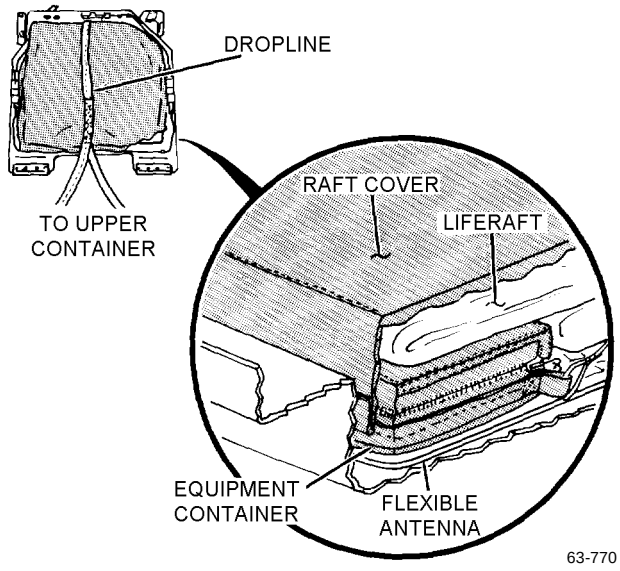
21. Fold and stow raft as shown.



Step 21 - Para 7-24

22. Place raft cover over raft and equipment container and tuck cover around raft using a fid to push edges of cover down. Ensure that lid locks are free from obstruction and that raft cover does not protrude beyond edges of container.

23. Ensure flexible antenna is routed around periphery of lower container. Route dropline out rear and across top of lower container.



Step 23 - Para 7-24

NOTE

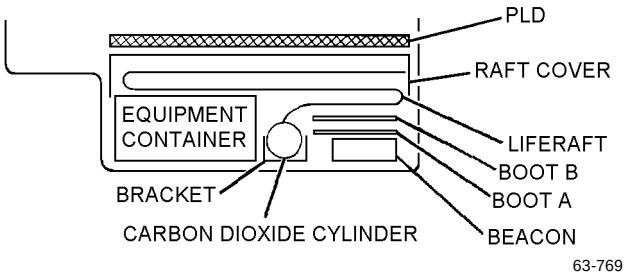
(RSSK-1A ONLY) The PLD (Personnel Lowering Device) is intended for use during survival situations in heavy foliage or jungle areas and may be installed at the discretion of the area/type commander. If the PLD is used, it will be installed as follows.

24. (RSSK-1A) Procure personnel lowering device P/N CL213D2-1 or fabricate in accordance with NAVAIR 13-1-6.5.

NOTE

If PLD is used, SRU-31/P packets must be stowed on aviator. Optional survival items may remain in equipment container as space allows (table 7-2).

25. (RSSK-1A) Place the PLD on top of the packed lower container as shown. Securely tie the PLD retrieving line to the right seat kit upper container footman bracket with a bowline knot and overhand knot. Ensure metal snaps are wrapped in chafing cloth.



Step 25 - Para 7-24

7-25. CLOSING CONTAINER. To close the container, proceed as follows:

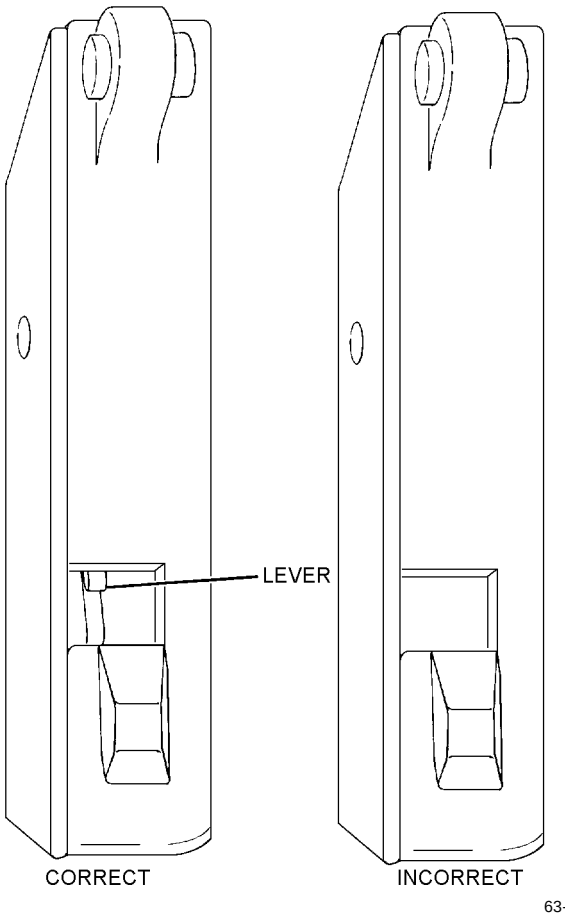
Materials Required

Quantity	Description	Reference Number
As Required	Thread, Nylon, Type II, Class A, Size 6	V-T-295 NIIN 00-559-5211

WARNING

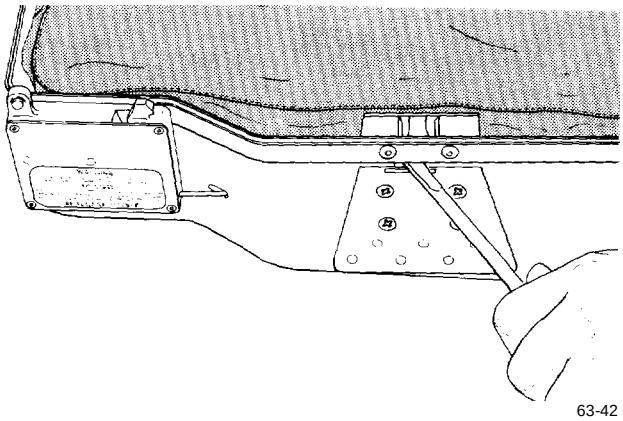
Lever in actuator assembly must be in proper position prior to closing container. Actuator will not open container if lever is not in correct position (RSSK-1A only).

1. Ensure actuating lever is easily visible at hole in top of actuator assembly.



Step 1 - Para 7-25

2. If lever is not visible, actuator assembly must be reset. Insert a screwdriver in manual release hole on starboard side of lower container and move aft. When lever is properly positioned, spring tension on screwdriver will relax. Recheck position through top hole in actuator assembly.



Step 2 - Para 7-25

3. Place upper container on top of lower container.

4. Engage hinges on front of containers.

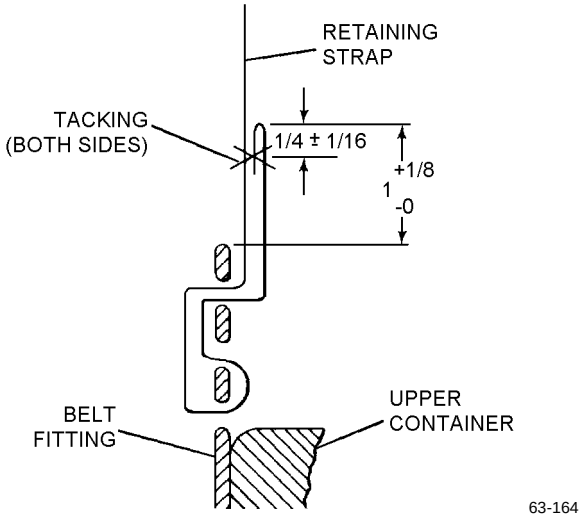
5. While closing container, check extruded metal lip for obstructions.

6. Push down on aft part of upper container.

7. When container is closed, insert kit release handle into actuator assembly and seat. Ensure handle is fully seated and locked. Check three lid lock inspection holes to ensure proper position on RSSK-1A.

8. Examine extruded metal lip around container. All lid locks shall be engaged and seam undistorted. If containers are not properly secured, release handle and repeat steps 2 through 8.

9. Attach retaining straps and tack with nylon thread, size 6, single. Ensure proper reeving of straps as shown. Pull strap through fitting until main portion of belt assembly rests approximately 1 inch from top of fitting.



Step 9 - Para 7-25

NOTE

Lower block assembly will normally be connected when survival kit is installed in aircraft. Installation and interface attachments shall be completed in accordance with applicable Maintenance Instruction Manual (MIM).

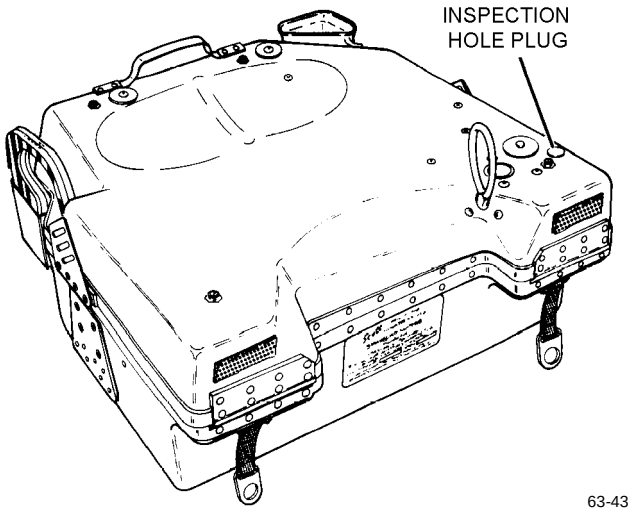
10. To install upper block, pull up on the manual release knob assembly, cocking the upper block locking mechanism. Align upper block with top portion of intermediate block and push into place. When locked, manual release indicator should be flush with top of knob.

11. (RSSK-1A) When used in MK-H7 ejection seats, RSSK-1A shall be weighed by placing a spring scale hook through the carrying handle. Total weight shall be between 40 and 49 pounds. If underweight, kit shall be ballasted by placing a weight in a durable heat-sealed plastic bag and placing bag in the center of lower container, in or under equipment container.

12. Perform release handle pull test in accordance with paragraph 7-26.

13. Examine oxygen gage for full indication. If recharging is necessary, refer to paragraph 7-40.

14. (EAST/WEST RSSK-1A) Remove inspection hole plug.



Step 14 - Para 7-25

WARNING

If reducer toggle has been twisted or forced beyond vertical (cocked) position, carefully reposition toggle. If cables/cable balls are not properly positioned open RSSK-1A and position cables so that toggle is free to move.

15. (EAST/WEST RSSK-1A) Using a flashlight, visually inspect position of reducer toggle (2, figure 7-53); ensure toggle is in the vertical (cocked) position relative to the reducer. Also check position of cable balls; ensure cables/cable balls are not wrapped around reducer toggle and jammed against the inside of kit lid.

16. Ensure inspection hole plug is in place.

17. Attach cushion to top of upper container.

18. Make necessary entries on appropriate form in accordance with OPNAVINST 4790.2 Series.

7-26. Release Handle Pull Test. To perform a release handle pull test, proceed as follows:

Support Equipment Required

Quantity	Description	Reference Number
1	Push/Pull Gage, 0 to 50 Pounds	DPP-50 or DPPH-50 (CAGE 11710)

1. Measure force required to unlatch release handle with push/pull gage. Force required shall be 10 to 30 pounds. Ensure all latches release simultaneously. If latches fail to release simultaneously, refer to paragraph 7-73.

2. Reclose container after pull test.

7-27. COCKPIT ROUTING AND INSTALLATION OF THE EMERGENCY RADIO BEACON LANYARD. Rig emergency radio beacon for automatic actuation as follows:

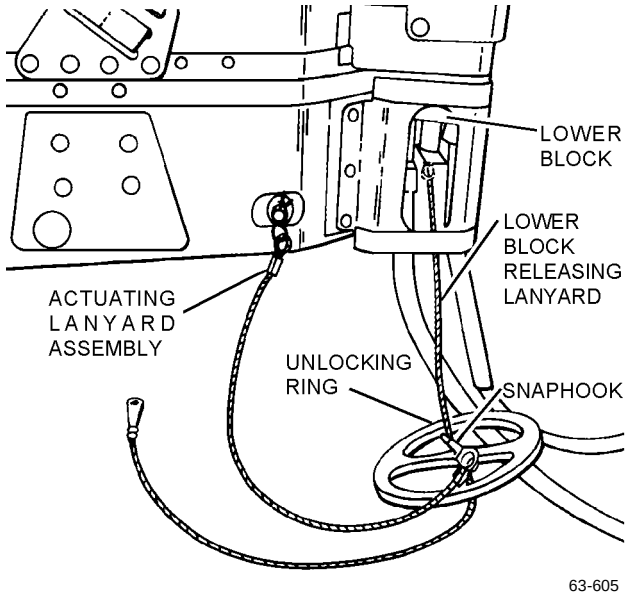
CAUTION

Use extreme care when lowering kit into seat to prevent possible damage to actuator indicator or accidental actuation of beacon.

1. Place assembled RSSK-1/-1A in ejection seat bucket.

2. Elevate rear portion of survival kit enough to gain access to opening in aft left corner of seat bucket. Route snaphook-end of installed beacon actuating lanyard through the opening, then lower kit into position.

3. Connect snaphook at end of actuating lanyard to lower block release lanyard above unlocking ring, as shown.



Step 3 - Para 7-27

4. Verify proper installation of kit into seat and correct routing and connection of automatic actuating lanyard assembly.

Section 7-4. Turnaround/Daily/Preflight/Postflight/Transfer/ Special/Conditional Inspection

7-28. GENERAL.

7-29. The Turnaround/Daily/Preflight/Postflight and Transfer Inspections consist of a visual inspection performed in conjunction with the aircraft inspection requirements for the aircraft in which the survival kit is installed. These inspections shall be performed by line personnel (plane captain) or delegated aircrewmembers who have been instructed and found qualified by the Aviator's Equipment Branch.

7-30. Conditional Inspection is an unscheduled inspection required as the result of a specific situation or set of conditions, e.g., hard-landing inspections or any inspection directed by higher authority that is not ordered in a technical directive.

7-31. The Special (7/14 day, etc.) Inspection shall be performed on inservice survival kits installed in aircraft and in ready room issue. This inspection shall be performed at the Organizational Level of maintenance by personnel assigned to the Aviator's Equipment Branch. Make necessary entries on appropriate form in accordance with OPNAVINST 4790.2 Series.

7-32. TURNAROUND/DAILY/PREFLIGHT/POSTFLIGHT/TRANSFER/SPECIAL INSPECTION PROCEDURES. These inspections consist of a visual inspection of the following:

1. Release handle for proper seating and corrosion.

2. Cushion for secure attachment, rips, tears, and loose or frayed stitching.

3. (East/West RSSK-1A) Lift left side of cushion assembly and remove reducer toggle access plug. Using a flashlight, visually inspect position of toggle; ensure toggle is in vertical (cocked) position relative to the reducer. Also check cables/cable balls for proper routing and engagement; ensure cable balls are not jammed against lid of kit.

4. Check oxygen gage for FULL indication.

5. Replace access plug and cushion assembly.

6. Lower block lanyard for secure attachment to aircraft structure and broken strands in cable.

7. Manual oxygen release for secure attachment (if separating type) and deterioration.

8. Container assembly for cracks, breaks, and other obvious damage.

9. Harness assemblies for loose or frayed webbing, stitching, and loose or broken hardware.

10. Lapbelt release assembly for loose or missing screws and corrosion.

11. Upper block for secure attachment to intermediate block, corrosion, and security of hoses.

12. Lower block for secure attachment to intermediate block, corrosion, and security of hoses.

13. Beacon actuator for bent shaft, and hairpin, cotter for elongation, corrosion, and proper mousing.

14. Secure attachment of beacon automatic actuating lanyard.

7-33. If discrepancies are found or suspected, notify Maintenance Control.

7-34. Survival kits which do not pass inspection and cannot be repaired in the aircraft shall be removed in accordance with applicable aircraft manual and replaced with a Ready For Issue (RFI) survival kit. Non-RFI survival kits shall be forwarded to the nearest maintenance activity having repair capability for corrective action.

Section 7-5. Acceptance/Phased/SDLM/PDM Inspection

7-35. GENERAL.

7-36. An acceptance inspection shall be performed on a survival kit when it is placed into service or at the time a reporting custodian accepts a newly assigned airfcraft from any source and on return of an aircraft from SDLM/PDM or other major D-level rework. The Phased/SDLM/PDM inspection cycle of the survival kit shall be 420 days. In no case, however, shall the phased interval exceed 420 days. The battery test inspection cycle for the AN/URT-33A radio beacon is dependent on the type of battery installed. Refer to NAVAIR 16-30URT33-1 for battery test inspection cycles and requirements. For acceptance inspection purposes, verification of pyrotechnics and configuration is accomplished by visual record examination only. Disassembly beyond the daily inspection requirements of applicable publications is not required. Activities may elect to increase the depth of the inspection if equipment condition, visual external inspection, or record examination indicates such action is warranted.

7-37. VISUAL INSPECTION. This inspection shall be performed prior to the functional check of the kit. Visually check kit for the following:

1. Release handle for wear and corrosion.

2. Cushion for rips, tears, cleanliness, and security of snaps.

3. Upper block for corrosion, damaged threads, cracked parts, and worn or damaged O-rings.

4. Intermediate block for corrosion and cracks, bent or broken pins in electrical connector, and condition of O-rings.

5. Lower block for corrosion and cracks, and lanyard for security of swaged balls and frayed or broken strands.

6. Upper and lower containers for cracks and corrosion.

7. Webbing for loose or frayed stitching and security of attachment.

8. Lapbelt release assembly for loose or missing screws and corrosion.

9. Swaged balls on cable assemblies for security of attachment.

7-38. SWAGED BALL PULL TEST (ACCEPTANCE INSPECTION ONLY). Ensure security of swaged ball attachments on RSSK-1 and RSSK-1A release assemblies using the following procedures. These procedures are typical and adaptable to each kit of the RSSK-1 series.

Materials Required

Quantity	Description	Reference Number
As Required	Cord, Nylon, Type III, 550-Pound	MIL-C-5040 NIIN 00-240-2146

Support Equipment Required

Quantity	Description	Reference Number
1	Gage, Push/Pull, Dial 0-100 Pounds	DPP-100 (CAGE 11710)

1. Remove four attaching screws and remove cover from assembly.

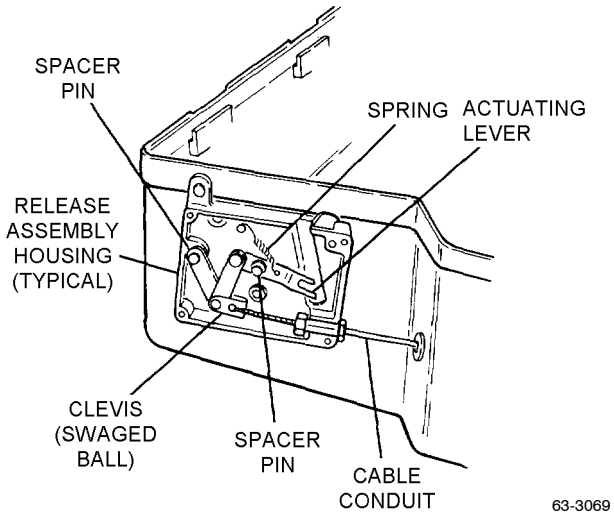
2. Press actuating lever down.

3. Remove spring attached to actuating lever and assembly housing.

4. Remove two spacer pins which mount links and actuating lever to assembly housing.

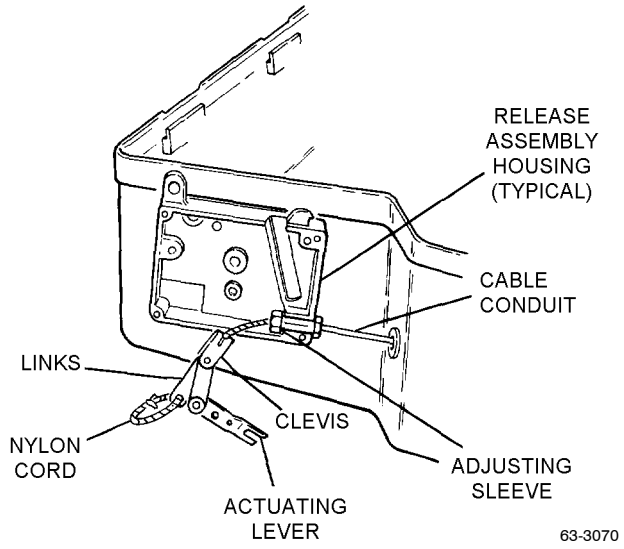
NOTE

Linkage will now be attached only by clevis and cable assembly.



Steps 2 thru 4 - Para 7-38

5. Thread approximately 5 inches of nylon cord through open end of links and tie ends together forming a loop.



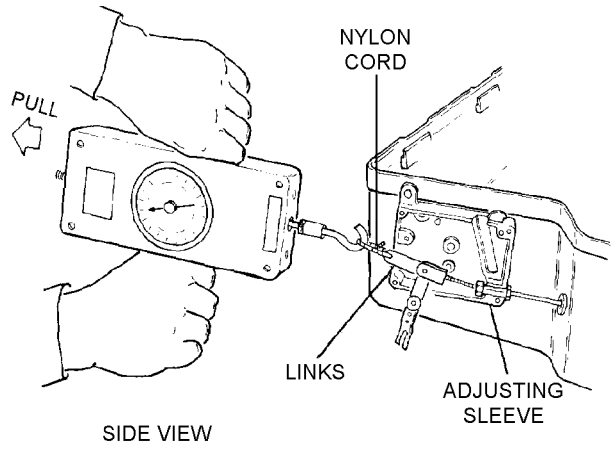
Step 5 - Para 7-38

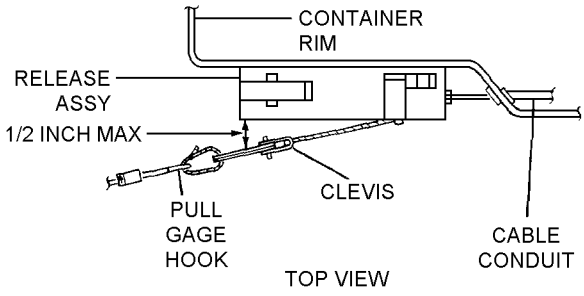
6. Insert hook of push/pull gage into cord loop.

CAUTION

Ensure adjusting sleeve does not move from housing when pull force is exerted.

7. Exert pull force on gage in direction of normal cable operation (toward aft of kit). During pull test ensure that links and clevis are not separated from housing assembly by more than 1/2 inch. Swaged ball shall withstand 100-pound pull force.





Step 7 - Para 7-38

8. If swaged ball fails to meet specified pull force, remove ball from cable and swage new ball in same location. Repeat pull test.

9. Reassemble cable release assembly and reinstall cover.

7-39. FUNCTIONAL CHECK. The functional check shall be performed anytime a kit is placed in service, after any adjustment procedures, or when equipment condition, visual external inspection, or record examination indicates such action is warranted to determine the condition of the kit. To perform a functional check proceed as follows:

CAUTION

Discontinue functional test if seat kit fails to pass any steps of test procedures. Repair malfunction before continuing procedures or damage to seat kit may result. After repair, the entire test procedure shall be performed.

NOTE

A substitute lower block assembly will be required to perform the following functional check.

Materials Required

Quantity	Description	Reference Number
As Required	Leak Detection Compound, Type I	MIL-L-25567
As Required	Lint-free Cloth	MIL-C-85043 NIIN 00-044-9281
As Required	Film, Radiographic	Industrex AA Film, Code AA-2 (CAGE 19139)

Support Equipment Required

Quantity	Description	Reference Number
1	Test Stand	59A120 (CAGE 02551) -or- 31TB1995-1 (CAGE 99251)
1	Dial Push/Pull Gage, 0 to 50 Pounds	DPP-50 -or- DPPH-50 (CAGE 11710)
1	Toggle Reset Tool	Fabricate IAW paragraph 7-83
1	X-ray Apparatus, Radiographic, Industrial, Lightweight, Portable, 150 Kvp Rating	653509 (CAGE 37676)
1	Magnifier, Pocket, 14X	(CAGE 06175)

NOTE

Performance of test stand is dependent upon skill of operator. It is imperative that operator be thoroughly familiar with instruments, controls, and connections that comprise systems incorporated in test stand. See NAVAIR 17-15BC-20 and NAVAIR 13-1-6.4-4 to familiarize yourself with 59A120 or 31TB1995 series liquid oxygen converter test stands

(Rocket Jet and Scott RSSK-1/1A) Original equipment relief valves used on earlier models of RSSK-1/1A were designed to operate in 100 to 130 psi range and reseat with no leakage at 95 psi minimum. Operation of relief valves in this pressure range is not considered unsafe for flight and is acceptable. Future procurement of relief valves for RSSK-1/1A will be in accordance with MIL-V-9050, Type V, with operating range of 120 to 140 psi and will replace 110 to 130 psi relief valves on attrition basis.

Emergency oxygen cylinder pressures used in this functional test were derived under ideal shop conditions of 70°F (21°C). Variances in ambient air temperatures directly affect charging pressures. Refer to table 7-5 for details.

Ensure that emergency oxygen cylinder is filled to 1800 to 2000 psi with oxygen.

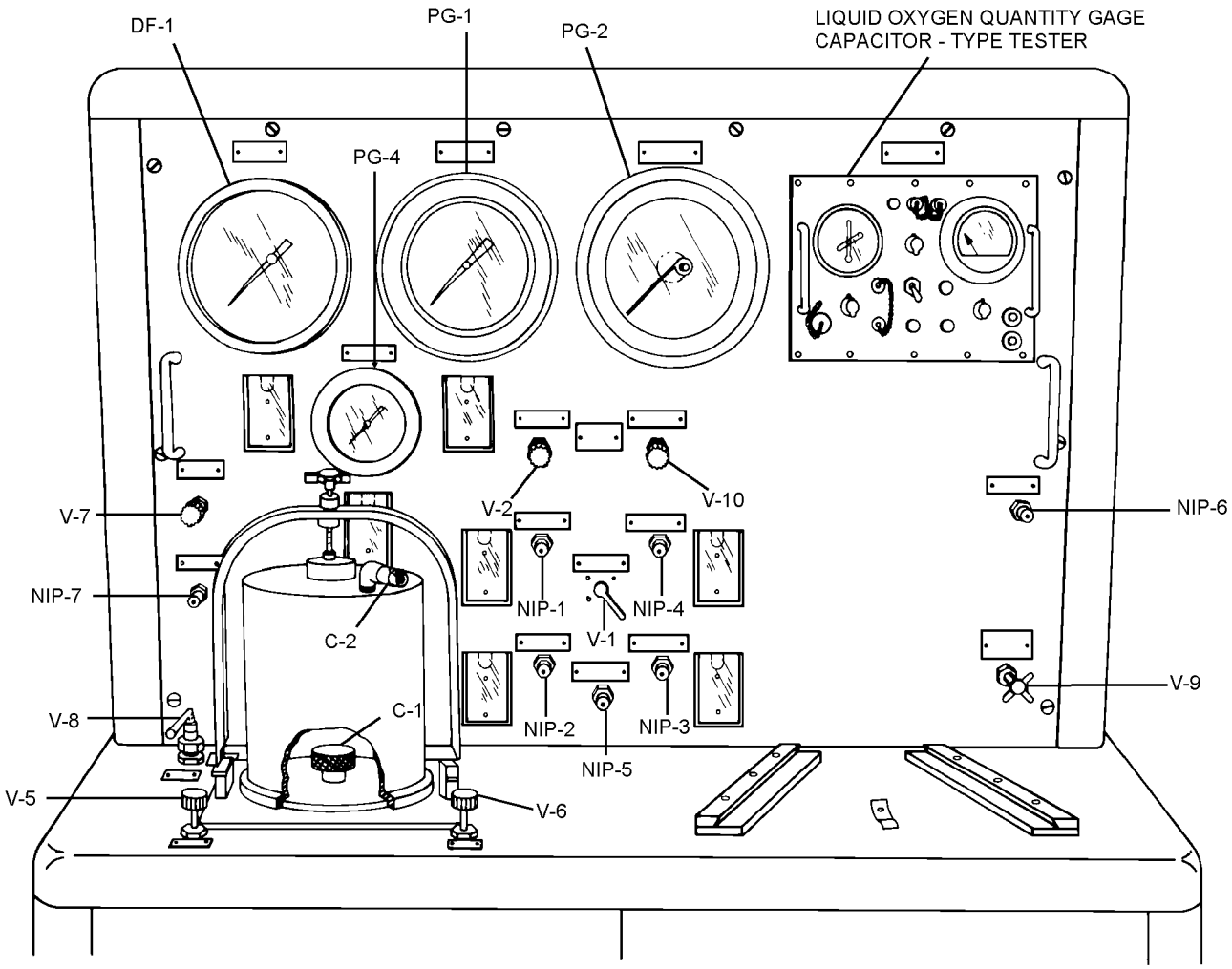
1. Install upper block to intermediate block by pulling up on manual release hand knob, cocking upper block release mechanism. Align upper block with top portion of intermediate block, and push into place. When locked, manual release indicator should be flush with top of knob.

2. Measure force required to disengage upper block from intermediate block with push/pull gage. Force required shall be 10 to 20 pounds.

3. Reinstall upper block on intermediate block.

4. Remove bell jar and connect oxygen outlet hose of kit to fitting (C-1). Ensure that valve (V-2) is open and all other test stand valves are closed (figure 7-10).

5. Attach push/pull gage to manual emergency oxygen release handle.



C-1	BELL JAR BOTTOM COUPLING	PG-2	FLOWMETER INDICATOR GAGE
C-2	BELL JAR TOP COUPLING	PG-4	0 – 15 PSIG LOW PRESSURE TEST GAGE
DF-1	0 – 100" H_2O DIFFERENTIAL PRESSURE GAGE	V-1	FLOWMETER SELECTOR GAGE
NIP-1	0 – 0.25 LPM FLOWMETER CONNECTION	V-2	TEST PRESSURE GAGE TO BELL JAR VALVE
NIP-2	0 – 1 LPM FLOWMETER CONNECTION	V-5	SYSTEM BLEED VALVE
NIP-3	0 – 50 LPM FLOWMETER CONNECTION	V-6	OXYGEN SUPPLY VALVE
NIP-4	0 – 150 LPM FLOWMETER CONNECTION	V-7	DIFFERENTIAL PRESSURE BLEED VALVE
NIP-5	CONVERTER SUPPLY OUTLET CONNECTION	V-8	DIFFERENTIAL PRESSURE SHUT-OFF VALVE
NIP-6	SUPPLY TO CONVERTER CONNECTION	V-9	CONVERTER SUPPLY FLOW CONTROL VALVE
NIP-7	DIFFERENTIAL PRESSURE GAGE CONNECTION	V-10	TEST PRESSURE GAGE BUILD-UP AND FLOW VALVE
PG-1	0 – 160 PSIG TEST PRESSURE GAGE		

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Figure 7-10. Test Stand Model 59A120

6. Measure force required to disengage manual oxygen release. Force required shall be 10 to 30 pounds, and emergency oxygen system shall actuate and indicate 45 to 80 psi on gage (PG-1) on test stand.

7. Reinstall manual oxygen release (if separating type) and reset reducer/manifold.

8. Turn on oxygen supply cylinder to test stand.

9. Slowly open valve (V-6) on test stand and adjust pressure on gage (PG-1) to 90 psi.

10. Measure the force required to disengage the manual oxygen release with a scale. Force required shall be 10 to 30 pounds.

WARNING

Before use, inspect leak detection compound. Compound which is not clear and free from suspended material/sediment is considered contaminated and shall be disposed of. Compound exhibiting peculiar odors, such as acetone or alcohol, is considered contaminated and shall be disposed of.

NOTE

Any degree of leakage in the oxygen system requires corrective maintenance.

11. Using leak detection compound, check all pressure lines and fittings on kit to ensure no leakage.

12. Reinstall manual oxygen release (if separating type) and reset reducer/manifold.

CAUTION

Do not increase pressure above 150 psi.

13. Using valve (V-6), increase pressure until relief valve unseats.

NOTE

Unseating can be determined by listening and observing gage (PG-1) on test stand.

14. Repeat step 13 several times to establish a correct pressure. Relief valve shall unseat at 120 to 140 psi when pressure is increased and reset at 110 psi minimum when pressure is decreased. Once reset, relief valve shall be leak tight.

NOTE

Pressure may be reduced below opening pressure of relief valve by closing valve (V-6) and opening valve (V-5).

15. Check relief valve with leak detection compound to ensure no leakage.

16. Close valve (V-6) and bleed oxygen pressure from system by opening valve (V-5). All pressure is bled when gages (PG-1) and (PG-4) indicate zero pressure.

17. Close valve (V-5).

18. Install lower block to intermediate block by pulling down on lower block release lanyard, cocking the lower block locking mechanism. Align block with underside of intermediate block and push into place, observing locking indicator flag. When blocks are locked together, flag becomes rigid in a horizontal position.

19. Install upper block on intermediate block.

20. Ensure valve (V-2) is opened and all other test stand valves are closed.

21. Measure force required to disengage lower block from intermediate block with a scale. Force required shall be 10 to 30 pounds and emergency oxygen system shall actuate and indicate 45 to 80 psi on gage (PG-1) on test stand.

22. Reset reducer/manifold.

23. Open valve (V-5), and ensure that all other test stand valves are closed.

24. Actuate toggle on reducer to ensure positive flow through valve (V-5). Reset reducer assembly.

25. Open valve (V-8).

26. Slowly close valve (V-5), while observing gage (DF-1).

NOTE

Observe gage (DF-1) for two minutes to ensure no leakage. Any pressure rise indicates leakage in the reducer valve seat and requires corrective maintenance.

27. Close valve (V-8), open valve (V-5), and disconnect oxygen outlet hose from fitting (C-1).

28. Ensure all valves on the test stand are secured.

29. Connect oxygen outlet hose to fitting (NIP-6). Ensure that valve (V-10) is open and all other test stand valves are closed.

30. Connect test stand hose to fitting (NIP-5) and fitting (NIP-4).

31. Move valve (V-1) to the (NIP-4) position.

32. Ensure that 1800 to 2000 psi is in oxygen cylinder of kit.

33. Pull manual oxygen release. Slowly open valve (V-9) to indicate 90 LPM on gage (PG-2). Oxygen pressure shall indicate 45 to 80 psi on gage (PG-1).

NOTE

When needle of cylinder pressure gage is between E and F of REFILL, pressure is approximately 250 psi.

34. Observe emergency oxygen cylinder pressure gage and allow system pressure to decrease to 250 psi while maintaining 90 LPM and 45 to 80 psi pressure.

35. Close valve (V-9).

WARNING

(EAST/WEST KIT) Ensure toggle arm is placed upright (not canted, turned, or over cocked) and positioned such that it will trip directly towards cable guide bracket.

36. With zero flow indicated on gage (PG-2), pressure indicated on gage (PG-1) shall be 45 to 80 psi.

37. Forward oxygen release handles (Scott P/N 21833-03 and Rocket Jet P/N 283190) to x-ray nondestructive testing shop and assure handles are radiographically inspected in accordance with following procedures:

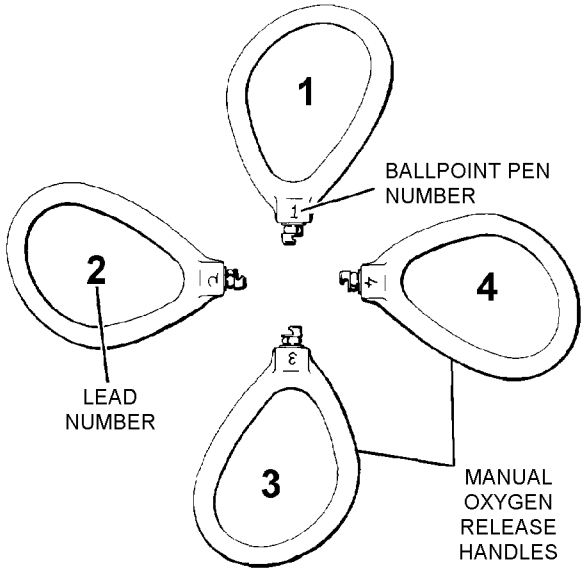
a. Place AA film on lead sheet of 0.010-inch or greater thickness.

NOTE

If connector ends do not lie flat against film, raise loop of assemblies and support with vertical strip of cardboard of sufficient height to cause connector ends to lie flat against film.

b. Place four or less release assemblies flat on film with connector ends located near each other in center of film to form a four-leaf clover pattern with no overlap of connector ends.

c. Identify each release assembly by writing a number, 1 to 100, on each release assembly with ballpoint pen. Place a corresponding lead number on x-ray film inside open area of loop.



Step 37c - Para 7-39

d. Support x-ray tube with active end 36 inches directly above center of film.

NOTE

Parameters serve as exposure guidelines and may vary with film processing conditions, film age, and differences in x-ray equipment.

e. Expose film for 30 seconds at 80 kV, 3 mA.

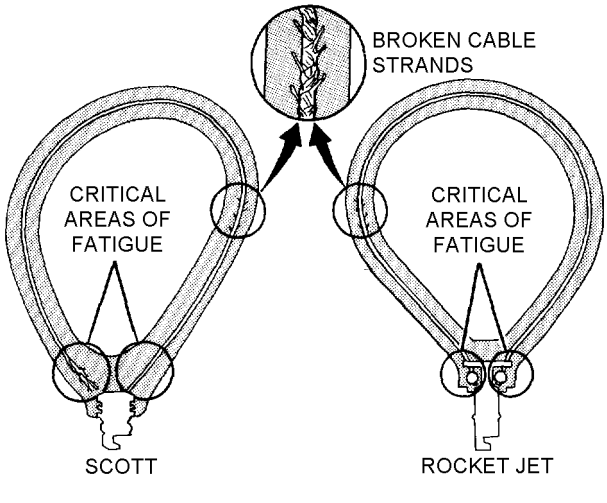
f. Obtain a film density of 1.8 to 2.2 on film image of rubber jacketing material.

g. Raise connector ends 1 inch above film and rotate loop of release assembly approximately 60 degrees, using masking tape to hold assembly in the described position for inspection. Repeat steps a through f to obtain a second radiograph to show failed cable strands which may be located on the top and bottom side of the cable.

WARNING

Any deformation, free strands, or broken cable shall be cause for rejection of the release assembly.

h. View processed films with 14X magnifier to identify failed or free strands, deformation, or broken cable. Any free strands, deformation, or broken cable shall be cause for rejection of the release assembly.



Step 37h - Para 7-39

38. Visually check rubber molding on release assembly for signs of deterioration/deformation.

39. Reinstall manual oxygen release (if separating type), and reset reducer/manifold.

40. Bleed oxygen pressure from system by opening valves (V-5) and (V-2). All pressure is bled when gages (PG-1) and (PG-4) indicate zero pressure.

41. Disconnect kit from test stand.

42. Secure test stand.

43. Thoroughly wipe clean all areas where leak detection compound was applied. Dry with lint-free cloth, filtered low pressure compressed air, or low pressure nitrogen.

44. Recharge emergency oxygen cylinder to 1800 to 2000 psi. Refer to paragraph 7-40 for charging procedures.

45. Perform release handle pull test on fully packed kit in accordance with paragraph 7-26.

7-40. PURGING AND CHARGING EMERGENCY OXYGEN SYSTEM. To purge and charge the emergency oxygen system, proceed as follows:

Materials Required

Quantity	Description	Reference Number
As Required	Leak Detection Compound, Type I	MIL-L-25567
As Required	Nitrogen, Type I, Class 1, Grade B	BB-N-411
As Required	Aviator's Breathing Oxygen, Type I	MIL-O-27210

Support Equipment Required

Quantity	Description	Reference Number
1	Oxygen Purging Electric Heater	C5378 (CAGE 96787) or equivalent
1	Shut-off Valve	—
1	Pressure Regulator	—
1	Adapter, Filling	21000T130-1 (CAGE 53655)

WARNING

Servicing of emergency oxygen system is accomplished only after removal of personnel parachute and survival kit from aircraft.

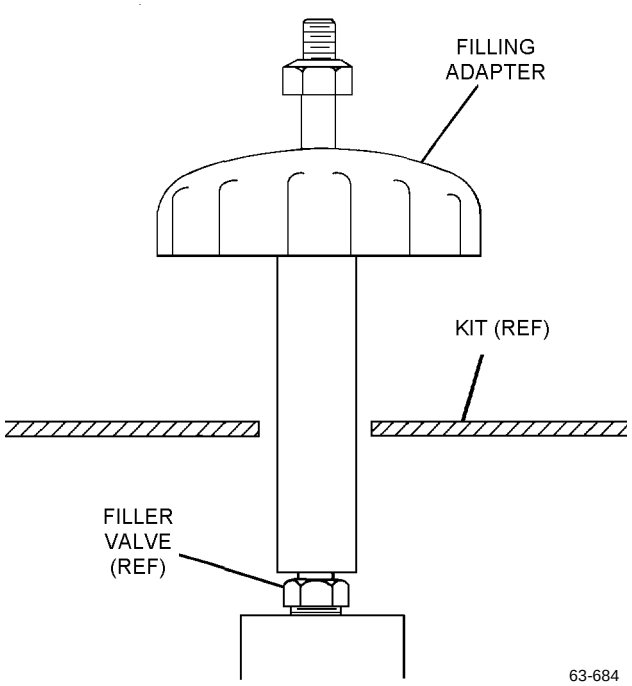
Before use, inspect leak detection compound. Compound which is not clear and free from suspended material/sediment is considered contaminated and shall be disposed of. Compound exhibiting peculiar odors, such as acetone or alcohol, is considered contaminated and shall be disposed of.

1. If survival kit assembly has not been removed from aircraft, remove personnel parachute and survival kit in accordance with applicable maintenance manual.

WARNING

If necessary to release pressure in oxygen bottle before purging/filling, pull emergency oxygen lanyard. This releases pressure through pressure reducer. DO NOT release pressure through filler valve or adapter. Releasing high-pressure oxygen through restriction of filler valve causes heat. Fire or explosion may result.

2. Remove oxygen filler valve cap and connect filling adapter to filler valve.



Step 2 - Para 40

NOTE

If the emergency oxygen system is contaminated or the cylinder has remained empty for more than 2 hours, purging is required. If an emergency oxygen cylinder does not warrant the purging process proceed to step 9 for charging sequence.

3. Deplete emergency oxygen cylinder if necessary.

4. Connect nitrogen source to filling adapter, and close pressure reducer.

NOTE

If relief valve on Oxygen Purging Electric Heater will not allow 100 psi, raise pressure only to allowable limit.

5. Slowly pressurize to 100 psi with nitrogen at temperature of 110° to 130°C (230° to 266°F) using electric heater.

6. Turn off nitrogen source and deplete oxygen cylinder.

7. Repeat steps 5 and 6, twice.

8. Turn off nitrogen source and disconnect.

9. Connect oxygen source to filling adapter with suitable pressure regulator and shut-off valve.

WARNING

When resetting reducer toggle ensure toggle is in the vertical (cocked) position and ensure cables and cable balls are not wrapped around reducer toggle and jammed against the inside of the kit lid.

10. Reset pressure reducer toggle and ensure toggle is in the vertical (cocked) position and cables and cable balls are not wrapped around reducer toggle and jammed against the inside of the kit lid.

11. Slowly pressurize to 100 psi.

12. Deplete cylinder to 50 psi.

13. Ensure that minimum slack exists in actuating cables of reducer/manifold, yet enough to ensure full engagement of toggle arm.

WARNING

Observe filling stages as rapid application of oxygen pressure creates heat which may result in fire or explosion.

Allow no less than 3 minutes for each filling stage and 2 minute intervals for cooling between stages.

NOTE

If kit is to be stored, the emergency oxygen bottle shall be depleted or filled to 200 PSI (when needle on gage bisects E on refill). For shipping, fill or deplete to 25 PSI using the gage on the oxygen refill cylinder.

14. Charge emergency oxygen system in stages in accordance with table 7-4 until pressure gage indicates correct pressure for existing ambient temperature (table 7-5).

Table 7-4. Charging Stages

Stage	PSI
1	500
2	1000
3	1500
4	1800
5	2000

Table 7-5. Ambient Air Temperature Vs Charging Pressures

Ambient Air Temperature		Charging Pressure
°F	°C	PSI
0	-18	1550-1750
10	-12	1600-1775
20	-7	1625-1800
30	-1	1675-1850
40	5	1700-1875
50	10	1725-1925
60	16	1775-1975
70	21	1800-2000
80	27	1825-2050
90	32	1875-2075
100	38	1900-2125
110	43	1925-2150
120	49	1975-2200
130	54	2000-2225

WARNING

Visually ensure that filler valve does not turn as filling adapter is removed. Serious injury could result.

15. Loosen filling adapter until all pressure is bled from high-pressure line. Remove filling adapter.

NOTE

Alternate Fill Valve P/N 9120097-27 is coreless and has a maximum leakage rate of 1 cc/hr. This will be evident by very tiny bubbles passing though the top of the valve when leak detection compound is applied level to the top rim. No leaks around the threads are acceptable. If large bubbles are evident, contact survival kit FST for disposition.

16. Apply leak detection compound around filler valve, gage and reducer and check for leaks. After check, thoroughly wipe clean all areas where leak detection compound was applied. Dry with lint-free cloth, filtered low pressure compressed air, or low pressure nitrogen.

17. Replace oxygen filler valve cap on filler valve.

18. If the personnel parachute and survival kit assembly were removed in step 1, reinstall using the applicable maintenance manual.

Section 7-6. Maintenance

7-41. GENERAL.

WARNING

Keep working area clean and free of oil, grease and dirt. Do not attempt to perform any component removal with the oxygen system pressurized.

NOTE

Unless otherwise indicated, the maintenance instructions set forth in this section shall apply to all RSSK-1/1A Kits.

7-42. This section contains procedures for troubleshooting, disassembly, cleaning, inspection of disassembled parts, repair or replacement of parts, assembly and adjustment. Disassemble only to extent required to perform task. Work shall be performed in a clean, dust and grease-free area.

7-43. TROUBLESHOOTING.

7-44. Where troubles or operating malfunctions are encountered, locate probable cause and remedy using table 7-6 for Rocket Jet and Scott assemblies and table 7-7 for East/West assemblies.

7-45. DISASSEMBLY.

7-46. Disassemble the kit using the index numbers assigned to figures 7-24 through 7-33 for Rocket Jet RSSK-1A, figures 7-34 through 7-40 for Scott RSSK-1A, figures 7-41 through 7-47 for Scott RSSK-1, and figures 7-48 through 7-55 for East/West RSSK-1A. Disassemble the kit only as far as necessary to repair or correct any malfunctions or discrepancies.

NOTE

Discard all O-rings, seals, cotter pins, and Teflon sealing tape removed from oxygen connections during disassembly. Discard any threaded inserts, rivets, rubber pads, seals, molding, or hook and pile fastener tape removed during disassembly of kit.

7-47. Disassembly of Reducer/Manifold Assembly. (East/West Only) The following procedures disassemble the reducer/manifold assembly into four major areas: removal of oxygen gage, filler valve, plug, and adapter; removal and disassembly of adjustment assembly; disassembly of high pressure assembly; and disassembly of low pressure assembly. Determine the area of malfunction using table 7-7 and disassemble only to the extent necessary to replace the defective component. See figure 7-11, and proceed as follows:

Support Equipment Required

Quantity	Description	Reference Number
1	Pressure Reducer Tool Set (figure 7-12)	T216D900-1 (CAGE 30941) NIIN 01-100-8298
1	Retaining Ring Pliers	S0100 (CAGE 79136)
1	Retaining Ring Pliers	SL0100 (CAGE 79136)
1	Toggle Reset Tool	Fabricate IAW paragraph 7-83
1	Hex Key, 5/32-Inch	—

Table 7-6. Troubleshooting (Rocket Jet and Scott Only)

Trouble	Probable Cause	Remedy
Upper, intermediate and lower blocks leaking during tests.	Faulty packings.	Replace packings as required.
Upper block fails to separate from intermediate block when release knob is pulled.	Faulty lock pin (20, figure 7-27; 18, figure 7-37; 18, figure 7-44).	Replace lock pin.
	Faulty lanyard (12 thru 19, figure 7-27; 8 thru 17, figure 7-37; 8 thru 17, figure 7-44).	Replace faulty parts.
Unable to connect upper block with intermediate block.	Faulty lock pin (20, figure 7-27; 18, figure 7-37; 18, figure 7-44).	Replace lock pin.
	Inserts (12 and 13, figure 7-39; 17 and 18, figure 7-46) not properly shimmed (Scott only).	Check shims in accordance with paragraph 7-62.
Unable to connect or separate lower block from intermediate block.	Faulty lock pin (12, figure 7-28; 16, figure 7-38; 12, figure 7-45).	Replace lock pin.
Emergency oxygen does not actuate when manual oxygen release is pulled.	Cable broken.	Replace cable.
	Release not engaged in fitting.	Install correctly or replace.
	Reducer/Manifold Cables incorrectly adjusted.	(Rocket Jet) Adjust in accordance with paragraph 7-74.
		(Scott) Adjust in accordance with paragraph 7-76.
Upper container fails to separate from lower container when release handle is pulled.	Cable within lid locks broken.	Replace cables.
	Crushed cables (11 thru 13, figure 7-25; 29, 47, 51, figure 7-35; 3 and 5, figure 7-42).	Replace cables.
	Damaged lid locks.	Replace lid locks.
	Lid locks incorrectly adjusted.	Adjust lid locks in accordance with paragraph 7-73.
	Faulty release handle.	Replace release handle.
Unable to install release handle.	Release assembly lever incorrectly positioned.	Adjust lever in accordance with decal on release.
Unable to obtain proper adjustment of lapbelt assembly.	Faulty lapbelt adjuster.	Inspect/replace lapbelt adjusters in accordance with paragraph 7-58.
	Improper routing of webbing.	

Table 7-6. Troubleshooting (Rocket Jet and Scott Only) (Cont)

Trouble	Probable Cause	Remedy
Low or zero indication on pressure gage.	Cylinder empty.	Charge cylinder.
	Defective gage.	Replace gage.
	Leaking components or leaking filler valve core.	Tighten connections or replace filler valve core in accordance with paragraph 7-57
Emergency oxygen does not actuate when lower block separates from intermediate block.	Upper block not locked with intermediate block.	Install correctly.
	Lanyard between intermediate block and toggle arm broken or incorrectly adjusted.	(Rocket Jet) Replace lanyard or adjust in accordance with paragraph 7-74.
		(Scott) Replace lanyard or adjust in accordance with paragraph 7-76.
Emergency oxygen pressure not within 45 to 80 psi.	Defective reducer/manifold.	Replace reducer/manifold.
	Reducer/manifold incorrectly adjusted.	Adjust in accordance with paragraph 7-65.
Emergency oxygen relief valve does not operate within 120 to 140 psi.	Defective relief valve.	Replace relief valve.
Loss of aircraft communications.	Broken or misaligned pins in intermediate block electrical receptacle.	Inspect in accordance with paragraph 7-79 and replace as necessary.
	Broken or misaligned pins in electrical cable of lower block.	Inspect in accordance with paragraph 7-79 and replace as necessary.
	Broken or misaligned pins in electrical cable of upper block.	Inspect in accordance with paragraph 7-79 and replace as necessary.
	Broken or misaligned pins and sockets in hose connector. Open or short circuit in oxygen hose wiring.	Inspect in accordance with chapter 4 and replace as necessary.
Pull force to actuate emergency oxygen system by emergency oxygen lanyard or emergency manual oxygen release is not within tolerance of 10 to 30 pounds.	Burrs and corrosion on terminal assembly (46, figure 7-26; 23, figure 7-36; 5, figure 7-41).	Polish off burrs and corrosion and lubricate.

Table 7-7. Troubleshooting (East/West Only)

Trouble	Probable Cause	Remedy
Upper container fails to separate from lower container when release handle is pulled.	Cable within lid locks broken.	Replace cable.
	Crushed conduit/cable assemblies (5, 6, and 11, figure 7-54).	Replace conduit/cable assemblies.
	Damaged lid locks.	Replace lid lock body assemblies.
	Lid locks incorrectly adjusted.	Adjust lid locks in accordance with paragraph 7-73.
	Faulty release handle.	Replace release handle.
Lid locks fail to release simultaneously.	Lid lock out of adjustment.	Adjust lid lock in accordance with paragraph 7-73.
Unable to install release handle.	Release actuating lever incorrectly positioned.	Remove handle, then insert screwdriver into manual release slot, and activate release in accordance with paragraph 7-25.
Low or zero indication on pressure gage.	Cylinder empty.	Charge cylinder in accordance with paragraph 7-40.
	Defective gage.	Replace gage.
	Leaking components or leaking filler valve core.	Tighten connections or replace filler valve core in accordance with paragraph 7-57.
Upper block fails to separate from intermediate block when release knob is pulled.	Faulty lock pin assembly (18, figure 7-49).	Replace lock pin assembly.
	Faulty manual release (8 thru 17, figure 7-49).	Replace faulty parts.
Unable to connect upper block with intermediate block.	Faulty lock pin assembly (18, figure 7-49).	Replace lock pin assembly.
	Inserts (12 and 13, figure 7-52) not properly shimmed.	Check shims in accordance with paragraph 7-62.
Unable to obtain proper adjustment of lapbelt assembly.	Faulty lapbelt adjuster.	Inspect/replace lapbelt adjusters in accordance with paragraph 7-58.
	Improper routing of webbing.	
Unable to connect or separate lower block from intermediate block.	Faulty lock pin assembly (16, figure 7-50).	Replace lock pin assembly.
Upper, intermediate, and lower blocks leaking during tests.	Faulty packings.	Replace packings as required.
Emergency oxygen does not actuate when lower block separates from intermediate block.	Upper block not locked with intermediate block.	Install correctly.
	Lanyard between intermediate block and toggle arm broken or incorrectly adjusted.	Replace lanyard or adjust in accordance with paragraph 7-75.

Table 7-7. Troubleshooting (East/West Only) (Cont)

Trouble	Probable Cause	Remedy
Emergency oxygen does not actuate when lower block separates from intermediate block. (Cont)	Reducer toggle arm overcocked, canted, or turned.	Inspect and adjust in accordance with paragraph 7-75.
	Cable balls may be wrapped around reducer toggle and jammed against inside of kit lid.	
Emergency oxygen does not actuate when manual release is pulled.	Crushed or broken conduit/cable assembly (22, figure 7-51).	Replace actuator assembly.
	Reducer toggle arm overcocked, canted or turned.	Reposition toggle.
	Cable balls may be wrapped around reducer toggle and jammed against inside of kit lid.	Inspect manual cable assembly and reposition.
		Inspect and adjust the automatic emergency oxygen release in accordance with paragraph 7-75.
Pull force to actuate emergency oxygen by the manual emergency oxygen release (green ring) is not within tolerance of 10 to 30 pounds.	Crushed conduit/cable assembly (22, figure 7-51).	Replace actuator assembly.
Relief valve does not relieve between 120 to 140 psi operating range and reseat at 110 psi minimum.	Relief incorrectly adjusted.	Adjust relief valve in accordance with paragraph 7-78.
	Defective relief valve.	Replace relief valve.
Relief valve leakage.	Scored seat.	Replace relief valve.
	Defective valve.	
Loss of aircraft communications.	Broken or misaligned pins in intermediate block electrical receptacle.	Inspect in accordance with paragraph 7-79 and replace as necessary.
	Broken or misaligned pins on electrical cable of lower block.	Inspect in accordance with paragraph 7-79 and replace as necessary.
	Broken or misaligned pins on electrical cable of upper block.	Inspect in accordance with paragraph 7-79 and replace as necessary.
	Broken or misaligned pins and sockets in hose connector. Open or short circuit in oxygen hose wiring.	Inspect in accordance with chapter 4 and replace as necessary.
No oxygen output pressure with pressure reducer actuated.	Weak or broken spring (7, figure 7-53) in pressure reducer.	Bleed system; disassemble in accordance with paragraph 7-47 and replace spring.
	Pressure reducer out of adjustment.	Adjust pressure reducer in accordance with paragraph 7-77.

Table 7-7. Troubleshooting (East/West Only) (Cont)

Trouble	Probable Cause	Remedy
No oxygen output pressure with pressure reducer actuated. (Cont)	Defective oxygen gage.	Bleed system; replace oxygen gage.
	Foreign matter in output flow path.	Bleed system; disassemble in accordance with paragraph 7-47 and clean.
	Poppet (17, figure 7-53) does not extend into position.	Bleed system; disassemble in accordance with paragraph 7-47 and replace poppet and seat.
Oxygen system output pressure not within 45 to 80 psig limits.	Pressure reducer out of adjustment.	Adjust pressure reducer in accordance with paragraph 7-77.
	Weak or broken poppet spring (16, figure 7-53) in pressure reducer.	Bleed system; disassemble in accordance with paragraph 7-47 and replace poppet spring.
	Defective pressure reducer.	Replace reducer.
Pulsating pressure at outlet port.	Bent plunger (8, figure 7-53).	Bleed system; disassemble in accordance with paragraph 7-47 and replace plunger.
Oxygen system leaking; low pressure side of reducer.	Defective O-ring (11, figure 7-53).	Bleed system; disassemble in accordance with paragraph 7-47 and replace O-ring.
	Weak or broken spring (16, figure 7-53) in pressure reducer.	Bleed system; disassemble in accordance with paragraph 7-47 and replace poppet spring.
Pressure reducer will not shut off.	Bent poppet (17, figure 7-53).	Bleed system; disassemble in accordance with paragraph 7-47 and replace poppet.
	Broken poppet spring (16, figure 7-53).	Bleed system; disassemble in accordance with paragraph 7-47 and replace poppet spring.
	Dirt.	Bleed system; disassemble in accordance with paragraph 7-47 and clean.
	Misaligned seat (20, figure 7-53).	Bleed system; disassemble in accordance with paragraph 7-47 and replace seat.
	Defective retaining ring (13, figure 7-53).	Bleed system; disassemble in accordance with paragraph 7-47 and replace retaining ring.
Pressure reducer does not meet required flows.	Pressure reducer out of adjustment.	Adjust pressure reducer in accordance with paragraph 7-77.
	Weak or broken poppet spring (16, figure 7-53) in pressure reducer.	Bleed system; disassemble in accordance with paragraph 7-47 and replace poppet spring.

Table 7-7. Troubleshooting (East/West Only) (Cont)

Trouble	Probable Cause	Remedy
Pressure reducer does not meet required flows. (Cont)	Improper assembly of pressure reducer.	Bleed system; disassemble in accordance with paragraph 7-47 and clean.
	Dirty filter assembly (14, figure 7-53).	Bleed system; disassemble in accordance with paragraph 7-47 and replace filter assembly.
Oxygen system leaking; high pressure side of reducer.	Misaligned seat (20, figure 7-53).	Bleed system; disassemble in accordance with paragraph 7-47 and replace seat.
	Bent poppet (17, figure 7-53).	Bleed system; disassemble in accordance with paragraph 7-47 and replace poppet.
	Broken poppet spring (16, figure 7-53).	Bleed system; disassemble in accordance with paragraph 7-47 and replace poppet spring.
	Inverted backup ring (19, figure 7-53).	Bleed system; disassemble in accordance with paragraph 7-47 and replace backup ring.

WARNING

Do not use oil or any material containing oil in conjunction with oxygen equipment. Oil, even in a minute quantity, coming in contact with oxygen can cause explosion or fire. Dust, lint, and fine metal particles are also dangerous.

CAUTION

Filter must be removed when using Fill Valve P/N 9120097-27.

NOTE

Maintenance personnel are cautioned to read and thoroughly understand the procedures of each step prior to attempting any maintenance action.

1. Remove oxygen gage, filler valve, relief valve, two flare tube nipples, and bracket, as follows:

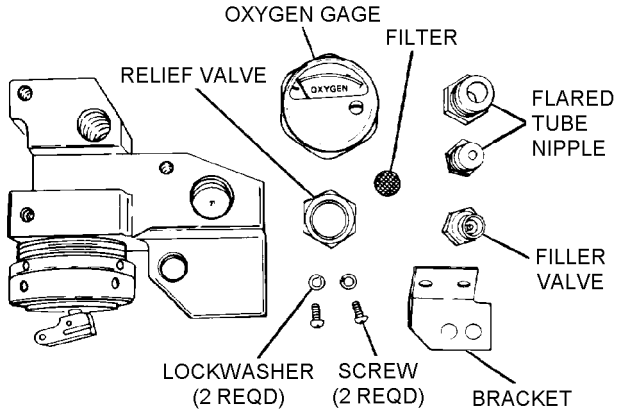
a. Remove oxygen gage.

b. Remove filler valve assembly and filter.

c. Remove relief valve assembly.

d. Remove both flare tube nipples.

e. Remove two screws, lockwashers, and bracket.



Step 1e - Para 7-47

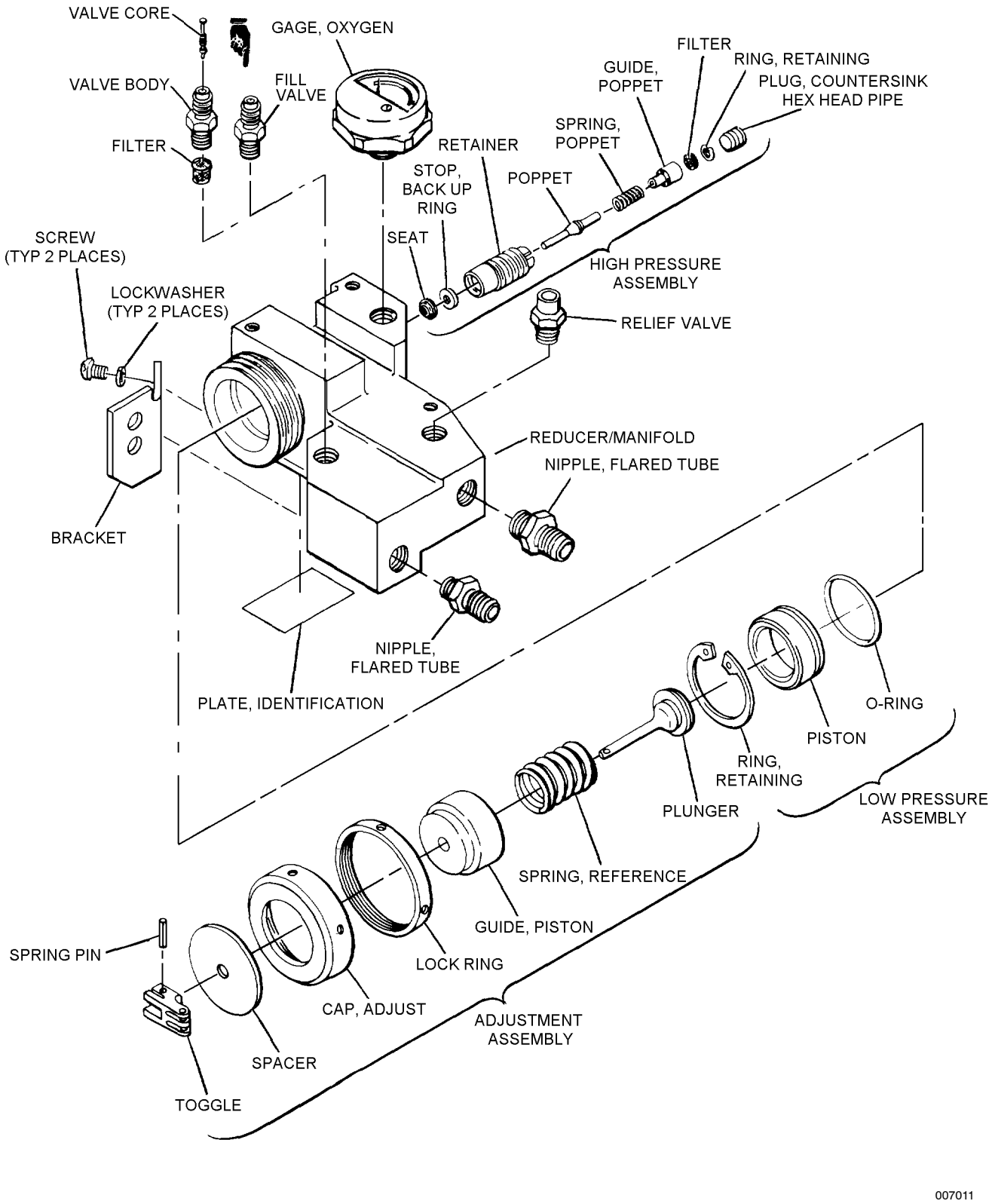


Figure 7-11. Reducer/Manifold Assembly (East/West)

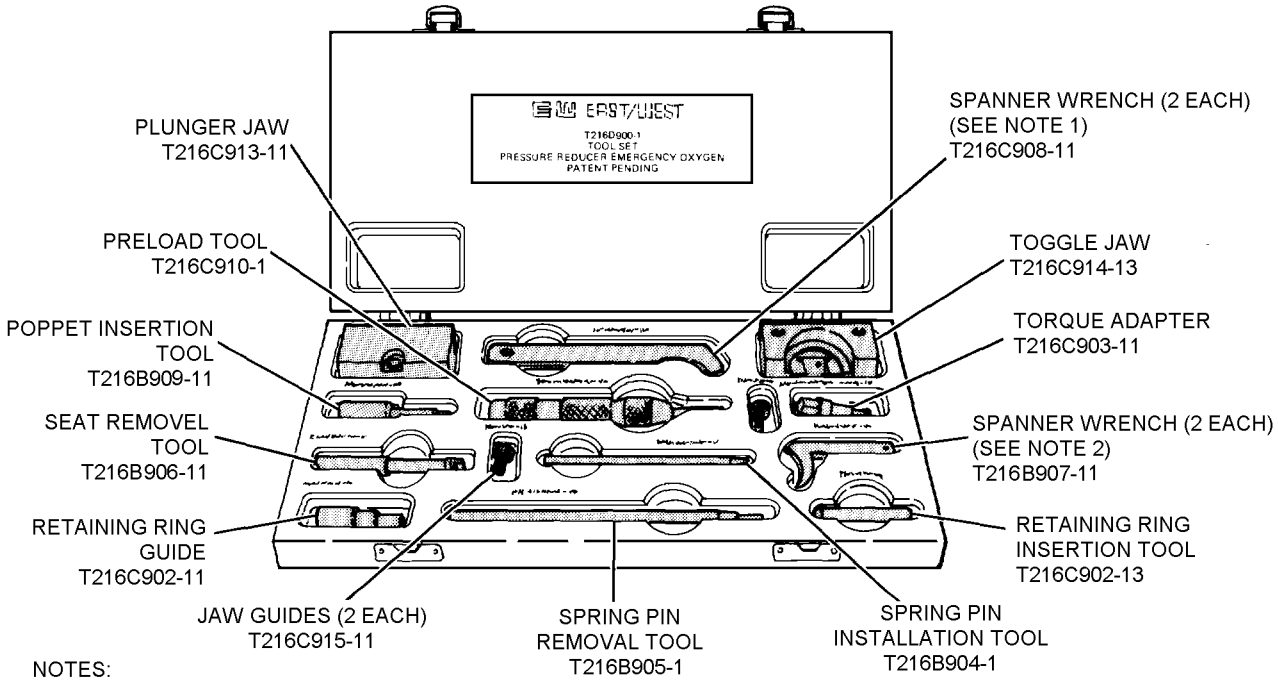
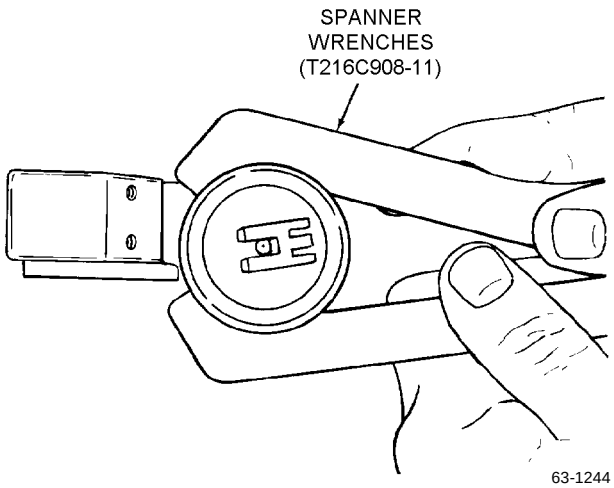


Figure 7-12. Emergency Oxygen Pressure Reducer Tool Set

f. Replace worn or defective parts as necessary.

2. Remove and disassemble adjustment assembly as follows:

a. Position oxygen pressure reducer assembly with cap adjustment side up. Loosen lock ring, using spanner wrench (T216C908-11) in a clockwise rotation while holding the adjusting cap with the second spanner wrench.



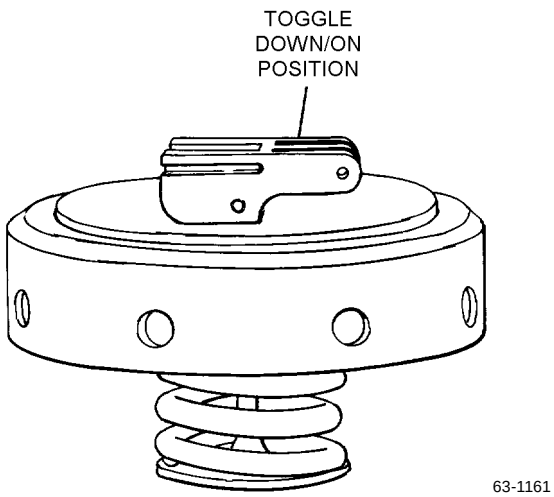
Step 2a - Para 7-47

NOTE

To permit hand removal of the adjustment assembly, ensure that toggle is in upright (OFF) position. To obtain desired position, insert toggle reset tool in slot on either side of toggle and twist.

b. Remove adjustment assembly from pressure reducer by rotating in a counterclockwise direction.

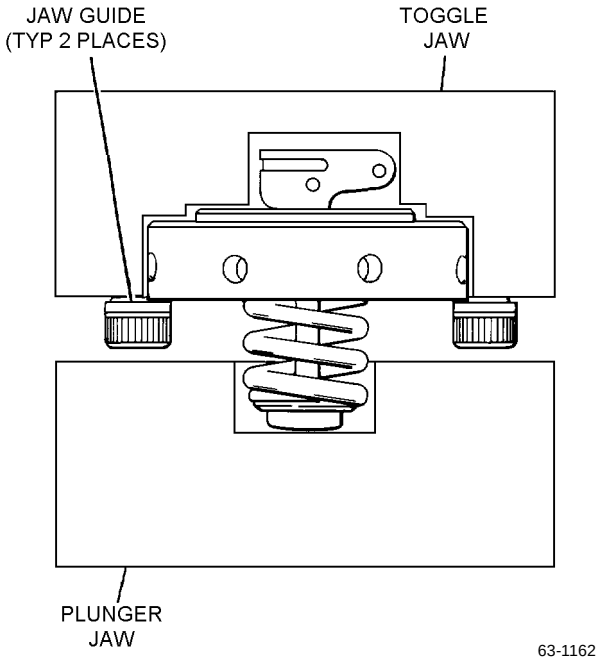
c. Using toggle reset tool, trip/rotate toggle to down (ON) position to reduce tension on toggle and plunger spring assembly.



Step 2c - Para 7-47

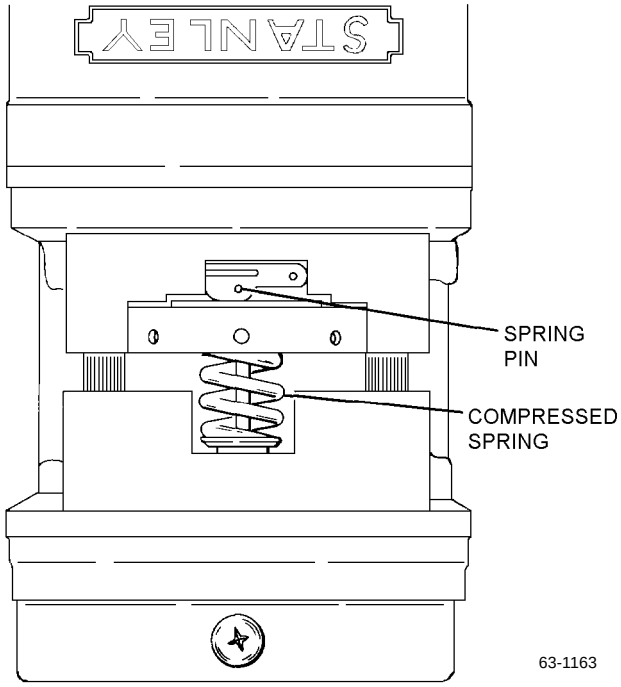
d. Using appropriate Allen key, screw jaw guides into the two threaded holes in the toggle jaw.

e. Position adjustment assembly in the toggle and plunger jaws.



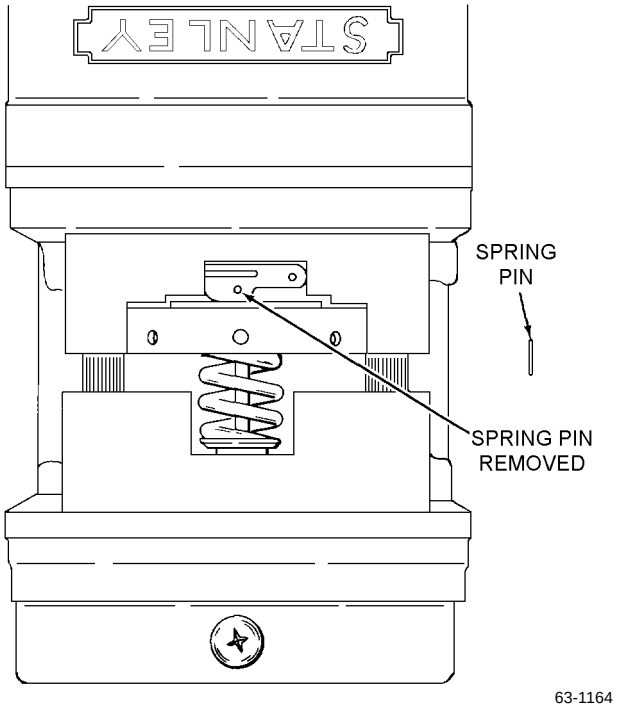
Step 2e - Para 7-47

f. Place toggle and plunger jaws in a vise. Align fixture and tighten to compress spring and relieve tension on the spring pin and toggle attachment.



Step 2f - Para 7-47

g. Using spring pin removal tool, punch out spring pin and discard.

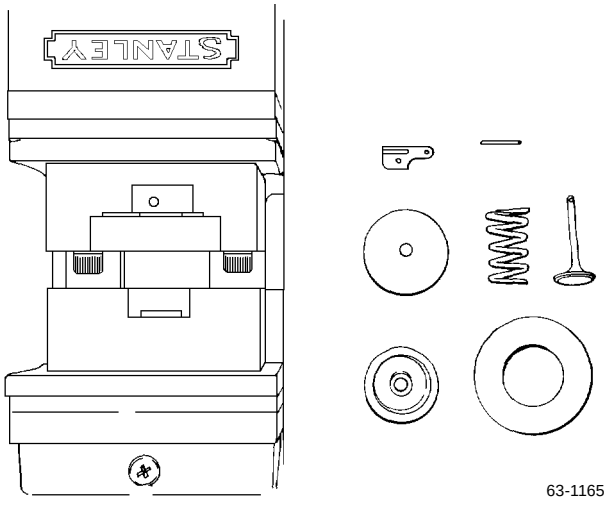


Step 2g - Para 7-47

NOTE

Spring pin is the only attachment point of components.

h. Loosen vise jaws to relieve pressure. Remove adjustment assembly from toggle and plunger jaws and disassemble. Replace worn or defective parts as necessary.



Step 2h - Para 7-47

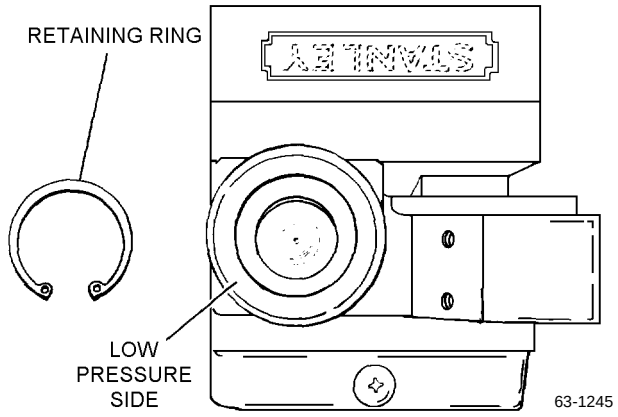
3. Disassemble low pressure assembly as follows:

a. Position oxygen pressure assembly with adjustment side or low pressure side up and secure.

NOTE

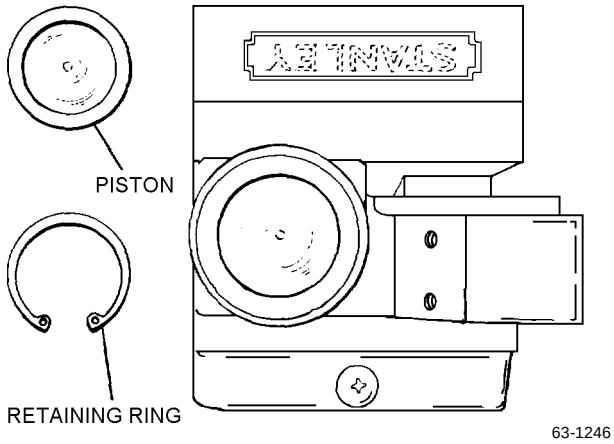
If adjustment assembly has not been removed, remove in accordance with step 2.

b. Remove retaining ring, using retaining ring pliers (SL0100) or equivalent.



Step 3b - Para 7-47

c. Remove piston from reducer body bore, using retaining ring pliers with points pressed against piston skirt.



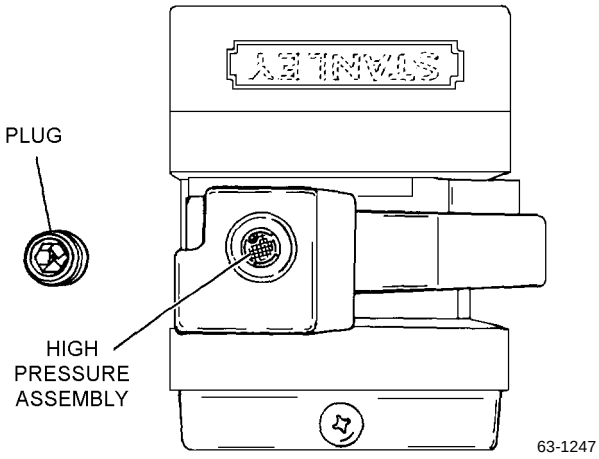
Step 3c - Para 7-47

d. Remove and discard O-ring from piston.

4. Disassemble high pressure assembly. To disassemble high pressure assembly, proceed as follows:

a. Position and secure oxygen pressure reducer with high pressure assembly facing up.

b. Remove plug with a 1/4-inch Allen wrench.

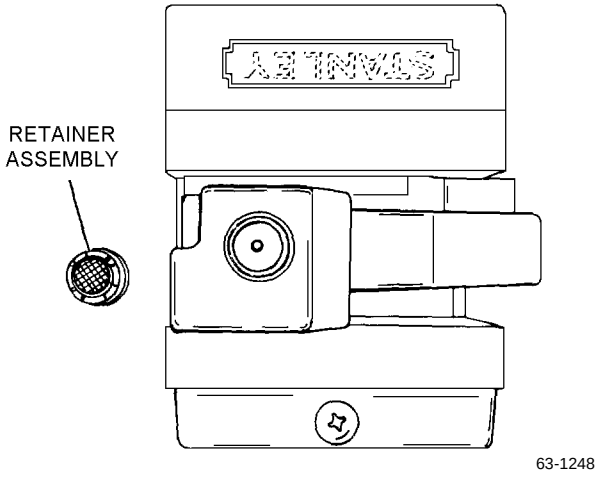


Step 4b - Para 7-47

NOTE

The retaining ring, filter, poppet guide, and spring usually withdraw from the reducer assembly housing still connected to the retainer unit.

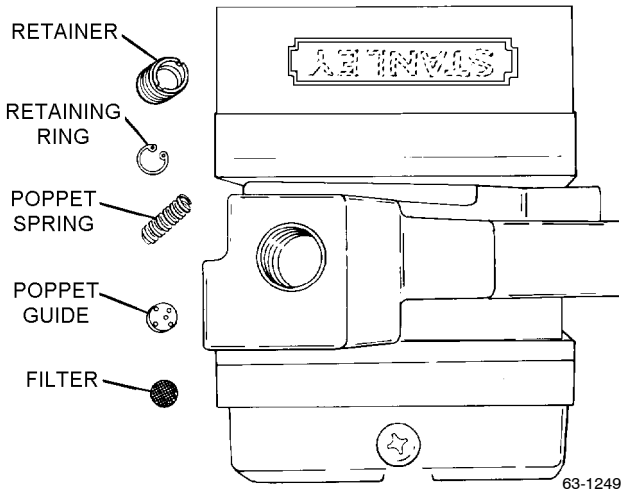
c. Using torque adapter, remove retainer from reducer body, by rotating counterclockwise.



Step 4c - Para 7-47

d. Remove retaining ring, using retaining ring pliers (S0100) or equivalent.

e. Remove filter, poppet guide, and poppet spring from retainer.



Step 4e - Para 7-47

f. Invert reducer body and remove poppet, back-up stop ring, and seat.

NOTE

If seat does not come out when backup stop ring is removed, proceed to step g for seat removal procedures which will not damage reducer body.

g. (Use only if seat must be dislodged.) Insert seat removal tool into reducer body.

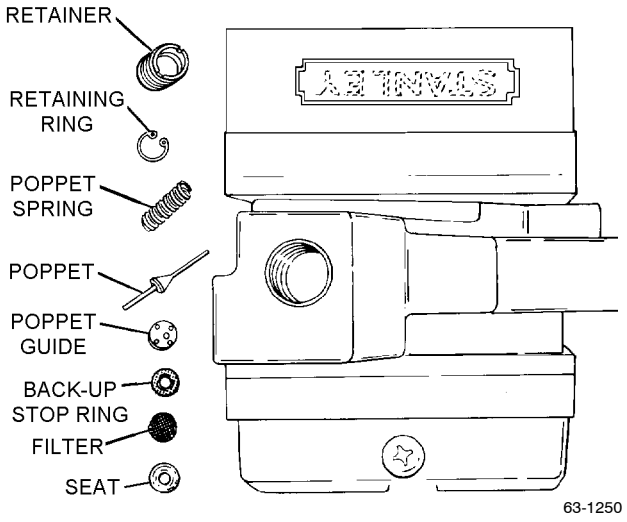
CAUTION

Do not cut into reducer body.

h. (Use only if seat must be dislodged.) Rotate seat removal tool until seat is loosened from reducer sealing groove.

i. (Use only if seat must be dislodged.) Visually inspect seat area inside reducer body to ensure seat has been dislodged and removed. Remove any remaining foreign matter.

j. Replace worn or defective parts as necessary.



Step 4j - Para 7-47

7-48. CLEANING.

7-49. To clean the disassembled oxygen and non-oxygen components of the kit (except for cushions and fabric components) refer to NAVAIR 13-1-6.4-1.

7-50. CLEANING CUSHIONS AND FABRIC COMPONENTS. Clean seat cushions and all fabric components, as follows:

Materials Required

Quantity	Description	Reference Number
As Required	Cleaning Compound	MIL-C-25769
As Required	Detergent, General Purpose	MIL-D-16791
As Required	Lint-free Cloth	MIL-C-85043 NIIN 00-044-9281

NOTE

If using cleaning compound (MIL-C-25769), combine one part compound to three parts water. If using general purpose detergent, follow directions on container.

1. Prepare detergent or cleaning compound (MIL-C-25769) solution.

2. Apply solution to soiled area with spray or sponge.

3. Allow solution to remain on surface for few minutes, then scrub with soft brush or cloth.

4. Rinse surface thoroughly with water; wipe with cloth or sponge.

NOTE

Repeat steps 1 through 4 until material is clean.

5. Repeat step 4 until material is free from all solution.

6. Allow material to dry thoroughly.

7-51. INSPECTION OF DISASSEMBLED PARTS.

7-52. Inspect the disassembled parts using the figures and index numbers cited in table 7-8. Inspect the parts for damage, distortion, corrosion, and other damage in accordance with table 7-8. Inspect survival items in accordance with NAVAIR 13-1-6.5.

7-53. REPAIR AND REPLACEMENT.

7-54. REPAIR. Repair of individual components within any assembly is authorized only in accordance with procedures outlined in this manual. For all repairs, make necessary entries on appropriate form in accordance with OPNAVINST 4790.2 Series. Refer to table 7-9 for available repair kits.

7-55. Repair of Cushion Assembly. Repair of the cushion assembly is limited to sewing of loose or open seams, broken stitches, and small rips and tears.

7-56. REPLACEMENT. All individual components that fail to pass inspection shall be replaced except where repair procedure is indicated. Refer to source code listing (SM&R Code), in the Numerical Index of the Illustrated Parts Breakdown, to aid in determining replaceable components. All adjustable components or assemblies that failed to pass respective tests shall be adjusted to meet required specifications.

7-57. Replacement of Filler Valve Core. To replace filler valve core assembly, proceed as follows:

Materials Required

Quantity	Description	Reference Number
1	Core, High Pressure (Rocket Jet)	AN809-1
	-or-	
	Core, High Pressure (Scott)	20018 (CAGE 53655)
	-or-	
	Core, High Pressure (East/West)	EW63001 (CAGE 30941)

Support Equipment Required

Quantity	Description	Reference Number
1	Tool, Valve Core	2688 (CAGE 27783)
1	Torque Wrench (lb-in)	—

WARNING

If necessary to release pressure in oxygen bottle before replacing filler valve core, pull emergency oxygen lanyard. This releases pressure through pressure reducer. DO NOT release pressure through filler valve. Releasing high-pressure oxygen through restriction of filler valve causes heat. Fire or explosion may result.

1. Deplete emergency oxygen cylinder, if necessary, by pulling the emergency oxygen lanyard.

2. Remove oxygen filler valve cap.

3. Remove valve core, using the valve core tool.

4. Install new valve core and torque to 4 to 5 lb-in.

5. Refer to paragraph 7-40 for purging and charging procedures.

Table 7-8. Inspection

Component	Task
Survival Kit (Figures 7-24, 7-34, 7-41 and 7-48)	
Cushion Assembly	Check cover assembly for fabric damage and loose, frayed or broken stitching.
	Check cover zipper for security of attachment and trouble-free operation.
	Check for presence and security of snaps on cushion lower surface.
	Check that hook and pile tape is firmly attached to cover.
	Check that cushion filler material is securely bonded to rigid form.
Quick-release Fittings (4, figure 7-24; 7, figure 7-34; 7, figure 7-48)	Check for obvious wear, damage and releases adapt and maintain open and closed positions during operation.
LH and RH Strap Assemblies (5, figure 7-24; 8, figure 7-34; 5, figure 7-48)	Check webbing for wear and damage and for frayed, broken, or loose stitching.
	Inspect adapter and harness lugs for obvious damage, corrosion, and wear. Inspect adjuster for proper operation. Adjuster must release webbing with a maximum pull force of 8 lbs on yellow tab. Harness webbing shall move freely through adjuster in either direction.
CO_2 Bottle Valve Cord, Lanyards, Dropline, and Liferaft Cover	Check for worn or damaged webbing and material, as applicable. Check for loose, broken, or frayed stitching.
Equipment Container	Check slide fastener for security of attachment and trouble-free operation.
	Inspect container material for wear and damage and for loose, broken and frayed stitching.
Survival Equipment	Inspect in accordance with NAVAIR 13-1-6.5.
Nameplate	Check for legibility and security of attachment.
Lower Container Assembly (Figures 7-25, 7-35, 7-41 and 7-54)	
Lower Guide Assembly (37, figure 7-25; 61, figure 7-35; 12, figure 7-41; 42, figure 7-54)	Check for damage and distortion.
Negative-G Straps	Check metal fittings for damage and check webbing for wear and for loose, frayed or broken stitching.
Skid Pad	Inspect for nicks, cuts and gouges and for secure attachment on container.
Decals	Check for legibility and security of attachment.

Table 7-8. Inspection (Cont)

Component	Task
Upper Container Assembly (Figures 7-26, 7-36, 7-43 and 7-51)	
Plug and Nipple (1 and 2, figure 7-26; 1 and 11, figure 7-36; 11, figure 7-43; 7 and 17, figure 7-51)	Check for damaged threads and rounded hexagon flats, as applicable.
Oxygen Cylinder	Inspect end fittings for thread damage.
	Check tube for cracks, dents, nicks, gouges, and scratches which penetrate metal. Carefully inspect areas adjacent to welds.
Lid Lock Hooks	Check for distortion and wear or damage to hooks which engage lid locks.
Tube Assemblies (24 and 25, figure 7-26; 21 and 22, figure 7-36; 20, figure 7-43; 1 and 20, figure 7-51)	Inspect tubing for dents, cracks and gouges; check integral nuts for damaged threads or rounded corners of hexagon flats.
Upper Guide (41, figure 7-26; 39, figure 7-36; 24, figure 7-43; 40, figure 7-51)	Check for cracks, gouges and obvious damage.
	(East/West Only) Check for obvious damage and ring for security of attachment.
Manual Oxygen Release	Inspect end fitting and molded rubber ring for damage.
	(Scott P/N 21833-03 and Rocket Jet P/N 283190 manual oxygen release assemblies) Forward manual oxygen release to x-ray (non-destructive testing) shop for testing, in accordance with paragraph 7-39, step 37.
Button Plug Assembly (55, figure 7-37; 37, figure 7-44; 79, figure 7-52)	Check chain and plug for damage. Ensure that chain is securely riveted to plug.
Hook and Pile Tape	Check that tape is securely bonded to lid.
Container	Inspect for cracks and damage to fiberglass. Check all bonded and riveted parts for security of attachment. Inspect carrying strap for wear and damage.
Handle Assembly (Figures 7-25, 7-35 and 7-48)	
Link Assembly (52, figure 7-25; 8, figure 7-35; 17, figure 7-48)	Check that pin is firmly into link. Inspect carrying strap for wear and damage.
Handle Halves	Check slots in aft end of each half for wear and damage. Inspect lettering and stripes for evidence of gouges, chipping and obvious damage.
Anchor Pin (58, figure 7-25; 3, figure 7-35; 13, figure 7-48)	Inspect for cracks, wear and distortion.
Trigger Assembly (58 and 60, figure 7-25; 6, figure 7-35; 15 and 16, figure 7-48)	Check that pin is firmly pressed into trigger. Check trigger locking projection and pin for wear and damage.

Table 7-8. Inspection (Cont)

Component	Task
Upper Block Assembly (Figures 7-27, 7-37, 7-44 and 7-49)	
Fitting (1, figure 7-27; 1, figure 7-37; 1, figure 7-44; 1, figure 7-49)	Check for damaged threads and for rounded hexagon flats.
Fitting (3, figure 7-27; 22, figure 7-37; 22, figure 7-44; 22, figure 7-49) and Check Valve (7, figure 7-27; 26, figure 7-37; 26, figure 7-49)	Check for concentricity of ports and for cracks; check packing seats for distortion and damage.
Retainer (12, figure 7-27; 14, figure 7-37; 14, figure 7-44; 14, figure 7-49) and Hollow Screw (18, figure 7-27; 12, figure 7-37; 12, figure 7-44; 12, figure 7-49)	Inspect for distortion and damaged threads.
Knob Assembly (14, figure 7-27; 15, figure 7-37; 15, figure 7-44; 15, figure 7-49)	Check for cracks and distortion.
Upper Block	Inspect integral tube, holes, and threads for damage. Check for cuts and gouges in block.
Lower Block Assembly (Figures 7-24, 7-28, 7-38, 7-45 and 7-50)	
Cable Assembly	Check for security of terminals and sleeve on cable.
	Inspect cable for broken strands and fraying.
	Check clevis and yoke for wear and damage; check ring for distortion and damage.
	Check electrical condition of cable assembly in accordance with paragraph 7-79.
Lock Pin Assembly (15, figure 7-24; 12, figure 7-28; 16, figure 7-38; 12, figure 7-45; 16, figure 7-50)	Inspect for damaged components, jammed parts, and other obvious damage.
All Fittings and Check Valves	Check for concentricity of ports, cracks, and breaks; check packing seats for distortion and damage.
Fittings (29, figure 7-28; 22, figure 7-38; 18, figure 7-45; 22, figure 7-50)	Check for damaged threads and rounded flats.
Block Assembly	Inspect brazed fittings, holes and threads for damage; check packing seats for distortion and breaks. Check block for cuts and gouges.
Intermediate Block Assembly (Figures 7-29, 7-39, 7-46 and 7-52)	
Connector (1, figure 7-29; 1, figure 7-39; 24, figure 7-46; 1, figure 7-52) and Plug (24, figure 7-29; 18, figure 7-39; 31, figure 7-46; 18, figure 7-52)	Check for cracks, distortion and thread damage. Inspect packing seats for damage.

Table 7-8. Inspection (Cont)

Component	Task
Intermediate Block Assembly (Figures 7-29, 7-39, 7-46 and 7-52) (Cont)	
Inserts (18 and 19, figure 7-29; 12 and 13, figure 7-39; 20 and 21, figure 7-46; 12 and 13, figure 7-52)	Check for cracks and obvious damage.
Pin (14, figure 7-29, 8, figure 7-39; 6, figure 7-46; 8, figure 7-52)	Check for damaged flats and bent shaft.
Sleeves (15 and 20, figure 7-29; 9 and 23, figure 7-39; 7 and 23, figure 7-46; 9 and 23, figure 7-52)	Inspect for obvious wear and concentricity; check slot in sleeve for wear and damage.
Electrical Receptacle (16, figure 7-29; 10, figure 7-39; 19, figure 7-46; 10, figure 7-52)	Check for bent or broken pins and signs of arcing; inspect setscrew hole for damage.
	Check electrical condition in accordance with paragraph 7-79.
Check Valve (29, figure 7-29; 21, figure 7-39; 34, figure 7-46; 21, figure 7-52)	Inspect for concentricity of ports and for cracks; check packing seat for distortion and damage.
Inserts (30, figure 7-29; 26, figure 7-39; 26, figure 7-52)	Check that inserts are between 3/4 to 1 1/2 turns below housing surface and tightly installed.
Housing	Check for wear, cracks and distortion; inspect ports, seats, and threads for damage.
Reducer Manifold Assembly (Figures 7-30, 7-40, 7-47 and 7-53)	
Nipples (1 and 2, figure 7-30; 1 and 2, figure 7-40; 37 and 38, figure 7-47; 25 and 26, figure 7-53)	Inspect for thread damage and rounded hexagon flats.
Button Plug Assembly (3, figure 7-30)	Check chain and plug for damage. Ensure that chain is securely riveted to plug.
Gage (10, figure 7-30; 5, figure 7-40; 30, figure 7-47; 27, figure 7-53)	Check for cracked or missing glass, bent or broken needle and stop, or jammed needle.
	Inspect for security of gage cover and for damaged attachment threads.
	Check for presence and security of integral filter in attachment shaft.
Relief valve (11, figure 7-30; 4, figure 7-40; 31, figure 7-47; 24, figure 7-53)	Inspect for damaged threads and packing seat.
Toggle Arm (26, figure 7-30; 15, figure 7-40; 4, figure 7-47; 2, figure 7-53)	Check for distortion, slot damage, hole wear and screw thread damage.
	Check that toggle arm is placed upright (not canted, turned, or overcocked) and positioned such that it will trip directly towards cable guide bracket.

Table 7-8. Inspection (Cont)

Component	Task
Reducer Manifold Assembly (Figures 7-30, 7-40, 7-47 and 7-53) (Cont)	
Retainer (32, figure 7-30; 28, figure 7-40; 16, figure 7-47)	Check adjustment holes, threads and spring seats for damage.
Adjust Cap (4, figure 7-53) and lock ring (5, figure 7-53)	Check spanner wrench holes and threads for damage.
Piston (34, figure 7-30; 31, figure 7-40; 19, figure 7-47; 8 thru 10, figure 7-53)	Check for bent shaft, damage to seat flange and hole wear.
Nameplate	Check for legibility and secure attachment.
Housing	Inspect for breaks, gouges and other obvious damage. Check ports, threads, and diaphragm seating area for damage.

Table 7-9. Repair Kits

Kit	Component	Repair Kit P/N		
		Scott	Rocket Jet	East/West
RSSK-1	Upper Block	25517	—	—
RSSK-1	Lower Block	25518	—	—
RSSK-1	Reducer/Manifold	26488	—	—
		26490	—	—
RSSK-1A	Upper Block	26936	741353	—
RSSK-1A	Lower Block	26937	741354	—
RSSK-1A	Intermediate Block	26939	741355	EW204K-7
RSSK-1A	Reducer/Manifold	—	741356	—

7-58. (East/West) Replacement of Lapbelt Adjuster. To replace missing or damaged lapbelt adjuster on the restraint harness, proceed as follows:

Materials Required

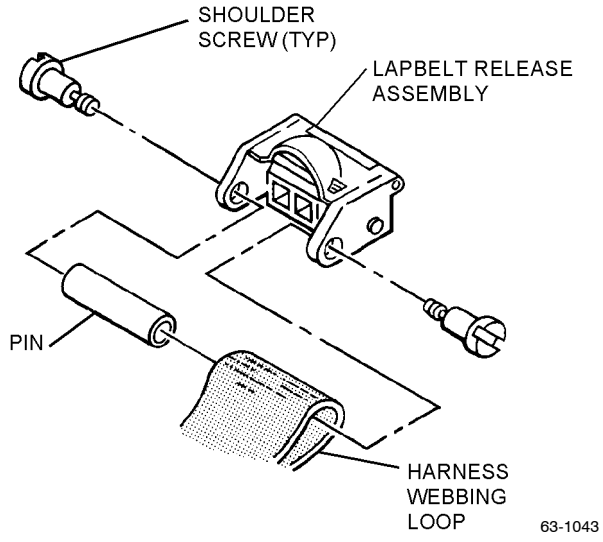
Quantity	Description	Reference Number
As Required	Adjuster, Lapbelt	184C100-1 (CAGE 30941)
As Required	Sealing, Locking, and Retaining Compound, Grade A	MIL-S-22473 NIIN 00-952-2205

NOTE

Replacement procedures can be used on both right and left side restraint harness assemblies.

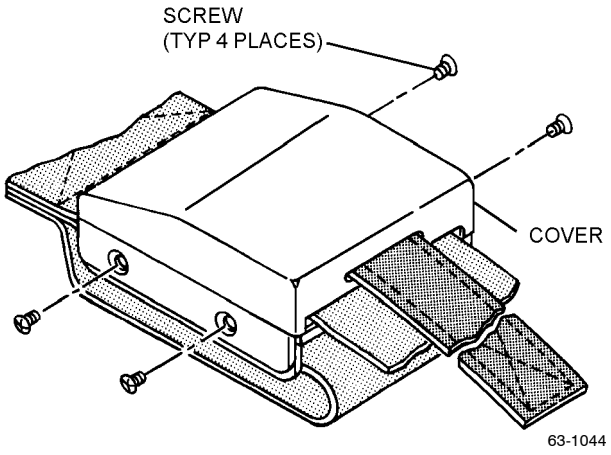
1. Remove existing lapbelt adjuster from the restraint harness as follows:

a. Remove lapbelt release assembly by removing two shoulder screws. Pull release assembly away from webbing, and slide pin out of harness webbing loop. Retain all parts.



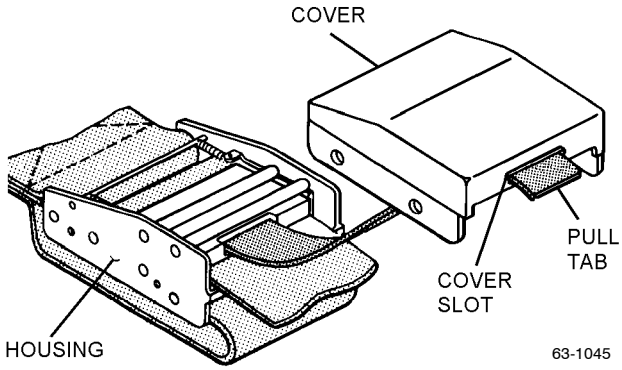
Step 1a - Para 7-58

b. Remove four screws (two on each side) from cover of lapbelt adjuster assembly.



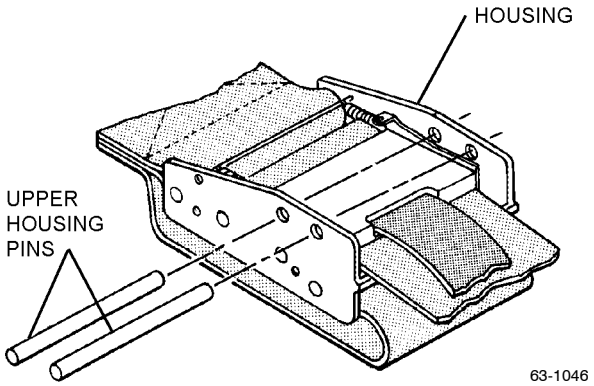
Step 1b - Para 7-58

c. Remove cover from lapbelt adjuster housing, and slide pull tab through cover slot.



Step 1c - Para 7-58

d. Slide upper housing pins out of housing.

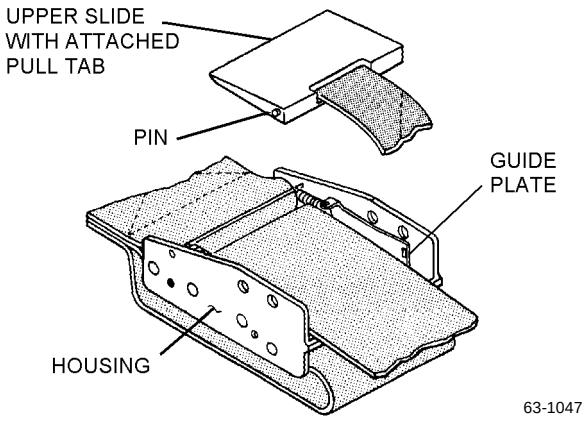


Step 1d - Para 7-58

NOTE

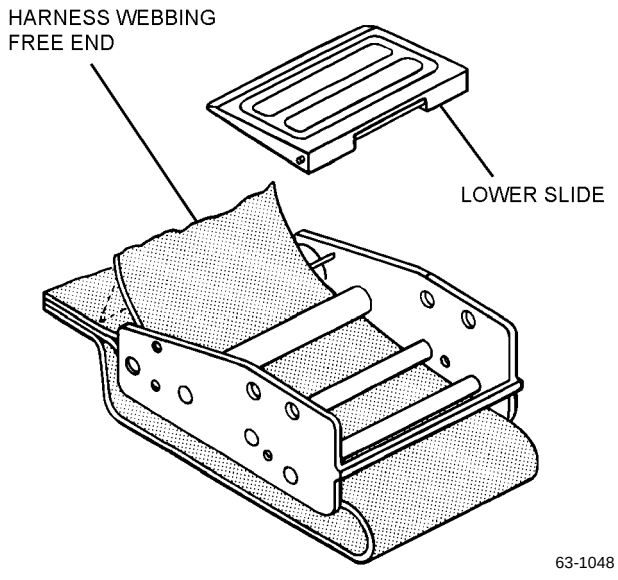
Slides are held to guide plates by pins. Pull slide up so guide plates are above edge of housing, and rotate slide out of guide plates.

e. Remove upper slide with attached pull tab.



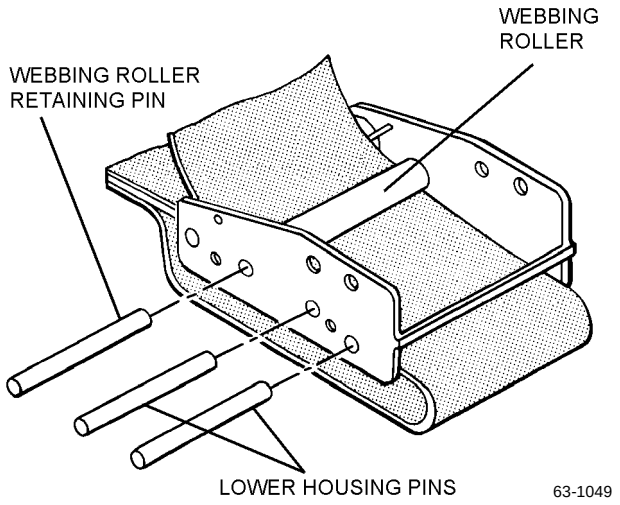
Step 1e - Para 7-58

f. Lift free end of harness webbing, and remove lower slide.



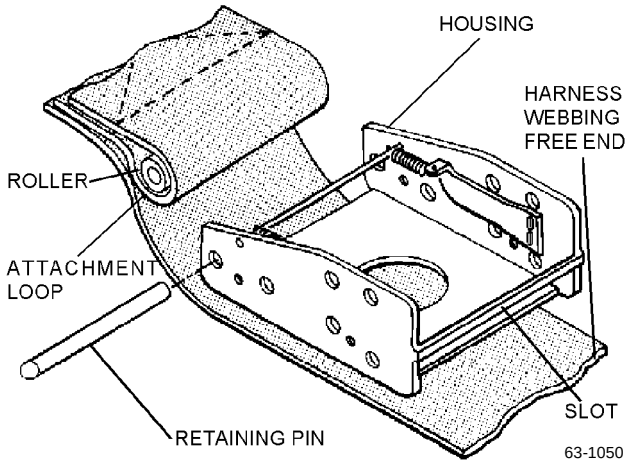
Step 1f - Para 7-58

g. Position guide plates up and out of way. Remove two lower housing pins and webbing roller retaining pin. Webbing roller will fall away.



Step 1g - Para 7-58

h. Pull free end of harness webbing through slot in housing. Remove pin retaining harness webbing attachment loop roller. Housing will fall away.



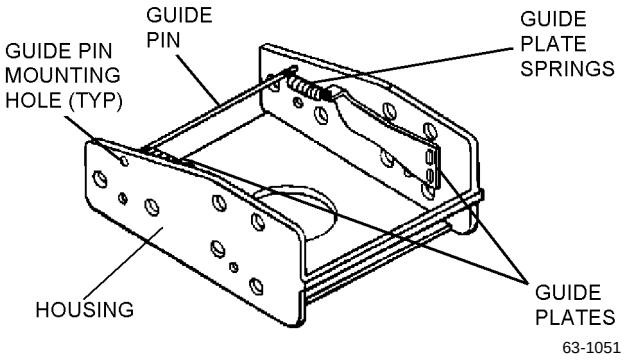
Step 1h - Para 7-58

2. Install new lapbelt adjuster as follows:

NOTE

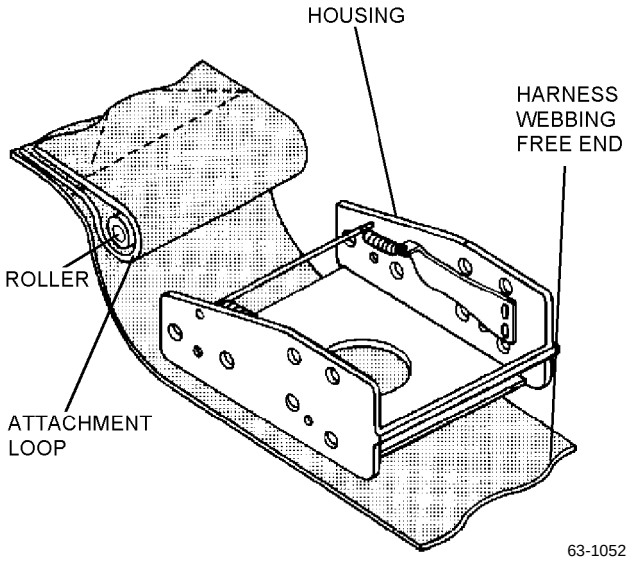
The six pins (two retaining and four housing) are interchangeable. The two rollers are interchangeable.

a. If required, slide guide plate springs onto guide pin; ensure guide plates are positioned correctly. Install assembly into adjuster housing guide pin mounting holes.



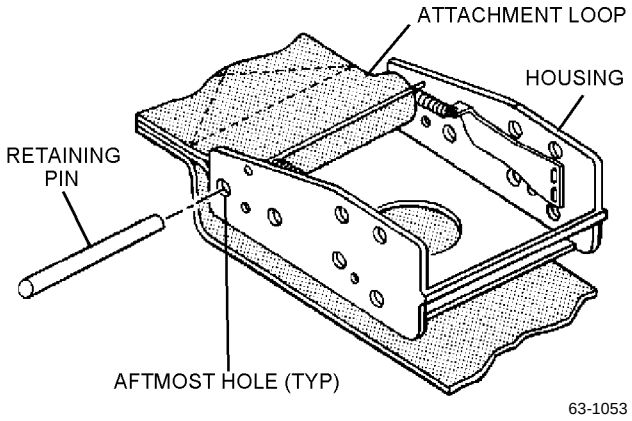
Step 2a - Para 7-58

b. Insert roller into attachment loop of harness webbing. Place adjuster housing on top of free end of harness webbing so that aft end of housing faces attachment loop.



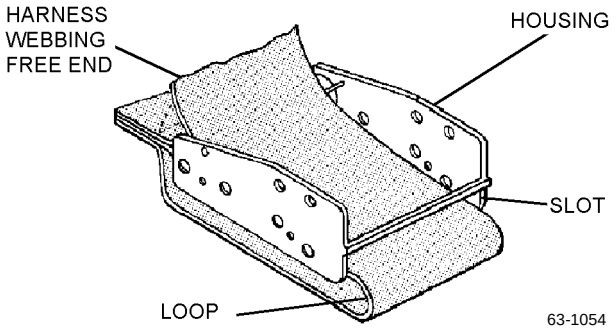
Step 2b - Para 7-58

c. Position housing onto attachment loop and roller. Align hole through roller with aftmost holes in housing, and install retaining pin.



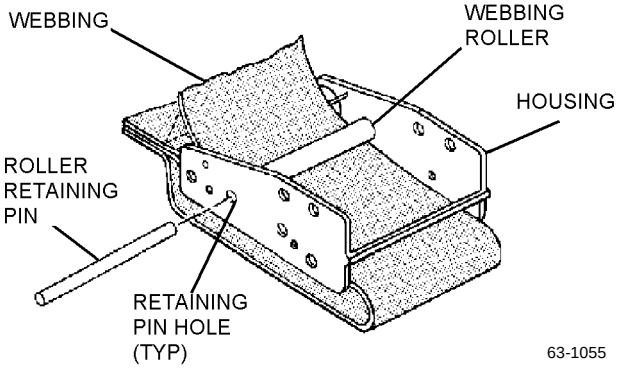
Step 2c - Para 7-58

d. Fold free end of webbing back towards housing. Insert end through slot in housing to form loop in webbing forward of adjuster. Guide plates may be positioned up and back to avoid any interference.



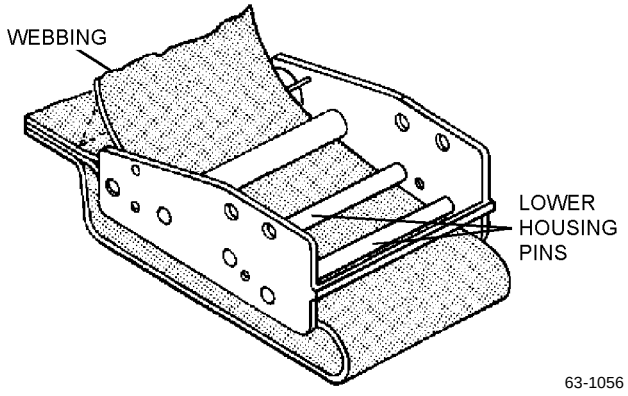
Step 2d - Para 7-58

e. Install webbing roller into housing on top of webbing. Position roller to align with proper holes in housing, and insert roller retaining pin.



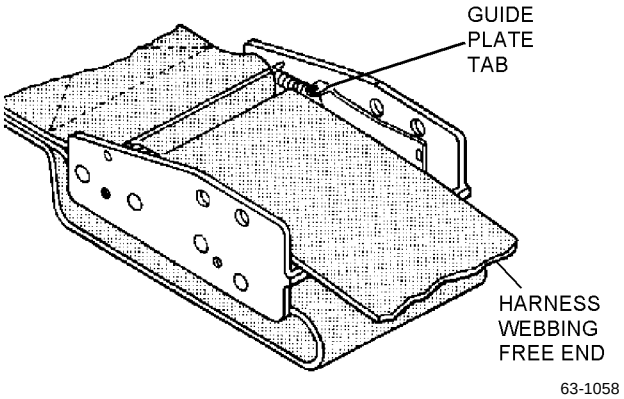
Step 2e - Para 7-58

f. Insert lower housing pins; ensure pins are resting on top of webbing.



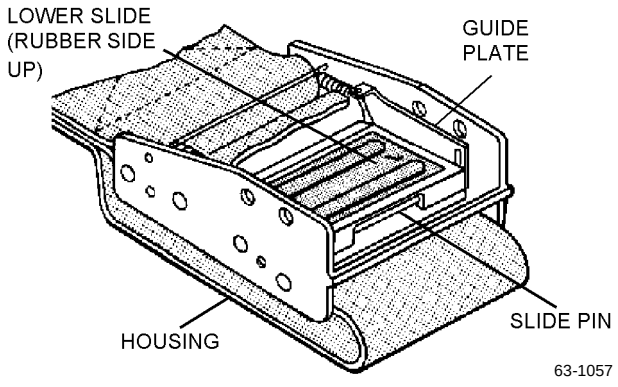
Step 2f - Para 7-58

h. Position harness webbing free end under tabs of guide plates, and lay webbing down over lower slide.



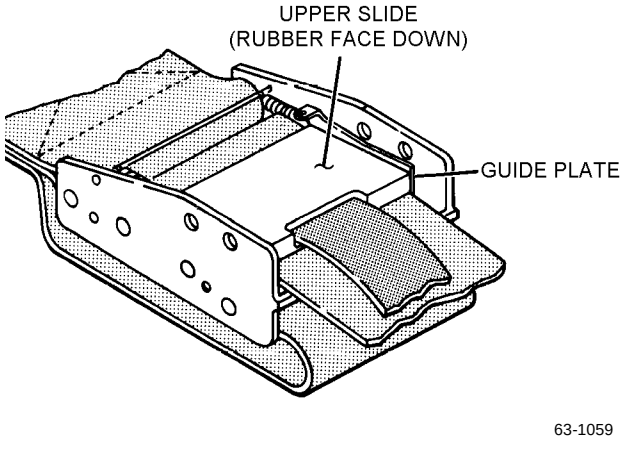
Step 2h - Para 7-58

g. Position guide plates into housing on top of lower housing pins, and install lower slide rubber side up. Ensure slide pin is correctly positioned into lower slots of guide plates.



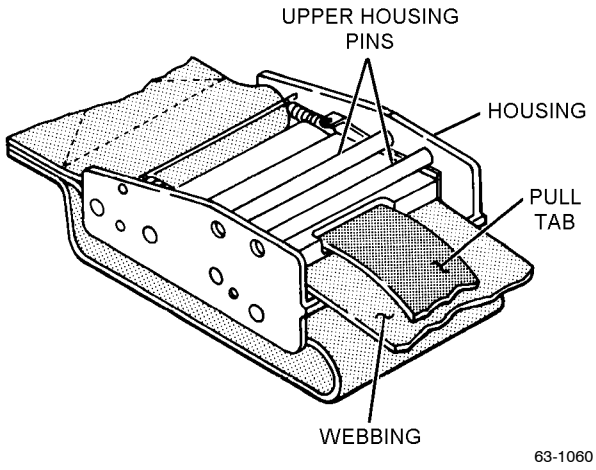
Step 2g - Para 7-58

i. Install upper slide rubber face down, ensuring lower slide does not come out of place. Ensure slide pins sit securely in slots of guide plates.



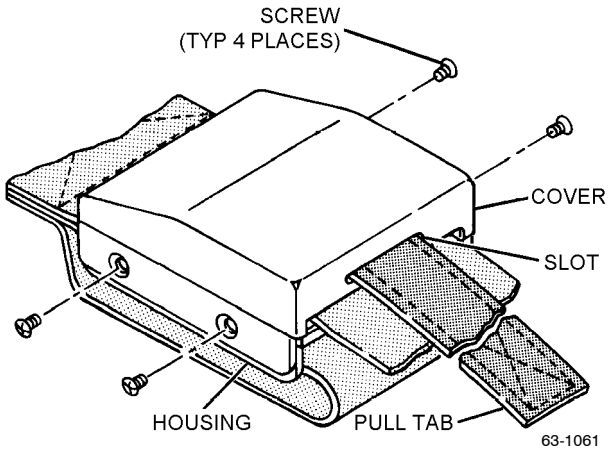
Step 2i - Para 7-58

j. Install upper housing pins. Ensure slides operate correctly; pull on pull tab to check simultaneous movement of slides. Webbing shall slide with ease, through adjuster in either direction.



Step 2j - Para 7-58

k. Insert pull tab from inside out through slot in cover. Place cover on housing, and align four screw holes. Apply sealing compound to threads of four screws, and secure cover to housing.



Step 2k - Para 7-58

3. Apply sealing compound to threads of two shoulder screws, and install lapbelt release assembly removed in step 1a.

4. Make necessary entries on appropriate form in accordance with OPNAVINST 4790.2 Series.

7-59. Deleted.

Pages 7-63 thru 7-66 - Deleted.

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7-60. ASSEMBLY.

7-61. Assemble using index numbers of figures 7-24 through 7-55 as reference and following instructions appearing in parentheses in the description column. Lubricate in accordance with table 7-10. Apply sealing compound to 50% of the threads of parts indicated in Illustrated Parts Breakdown. Before applying sealing compound, clean threads of any contaminants using clean cloth moistened with water. Refer to Appendix B and ensure all nuts and fittings are properly torqued. After proper torque has been completed, apply tamper dot to all oxygen fittings shown in figures 7-24 through 7-55. Use lacquer, MIL-L-7178, Fed. Std. 595. Use any contrasting color when applying tamper dots to oxygen fittings.

NOTE

The tamper dot on the Oxygen Hose Assembly shall be applied to the fitting in a manner which provides easy identification for inspection purposes when the seat kit is installed in the seat.

Table 7-10. Lubrication

Component	Lubrication
Handle Assembly	Molykote X106
Reducer/Manifold Slip Ring	Krytox 240AC (CAGE 73925)
Packing on Blocks	
Manual Oxygen Release	
East/West Reducer/Manifold	Krytox 240AZ (CAGE 73925)

CAUTION

Exercise care when handling P/N 21015-1 figure 7-43, index 19 or P/N 204D275-1 figure 7-51, index 30. Rough handling can affect correct length.

7-62. ASSEMBLY OF INTERMEDIATE BLOCK ASSEMBLY. To assemble the intermediate block assembly proceed as follows:

Materials Required

Quantity	Description	Reference Number
As Required	Krytox 240AC, Type III	MIL-G-27617 NIIN 00-961-8995
As Required	Leak Detection Compound, Type I	MIL-L-25567

Support Equipment Required

Quantity	Description	Reference Number
1	Checking Gage	21006T76-1 (CAGE 53655)
1	Checking Gage	21006T76-3 (CAGE 53655)
1	Wrench	21006T91-1 (CAGE 53655)

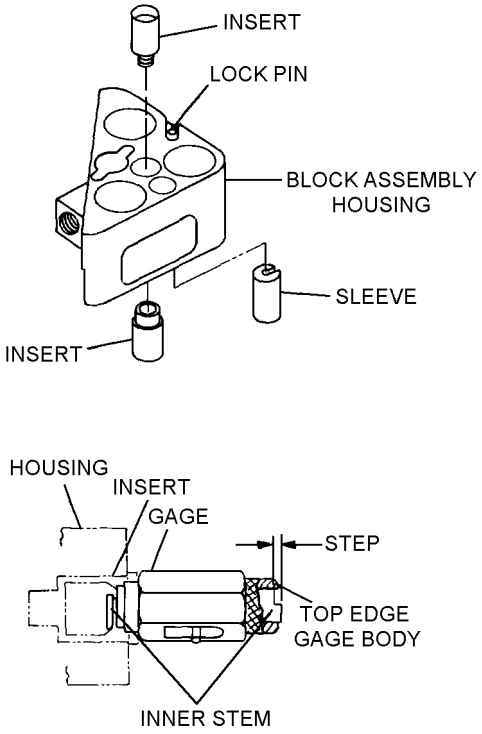
1. Lubricate O-rings lightly with Krytox 240AC.

2. Install inserts, and tighten with wrench P/N 21006T91-1.

NOTE

(Scott and East/West Only) If limits are not complied with, remove inserts and add shims as required.

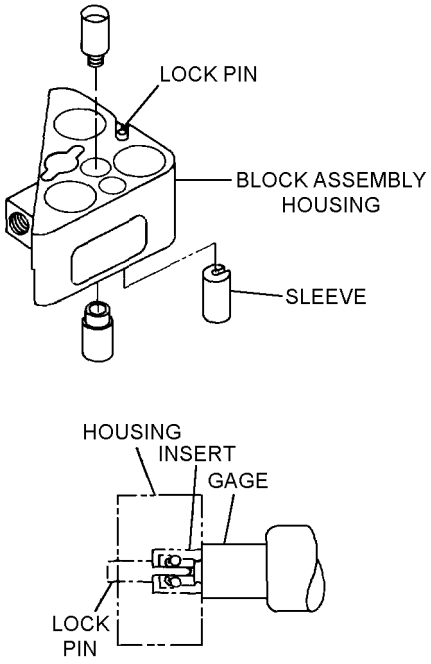
3. Check relation of undercut in inserts to housing using checking gage P/N 21006T76-1. Hold body of gage firmly against housing face, and check relation of inner stem of gage and top of gage body. Acceptable installations (falling within limits defined by step on inner stem) are indicated by top of gage body.



63-200

Step 3 - Para 7-62

4. Check function of sleeve using checking gage P/N 21006T76-3 by inserting gage in sleeve until it bottoms on housing face. Depress lock pin to full bottom position. Gage shall lock in sleeve.



Step 4 - Para 7-62

5. Leak test intermediate block assembly in accordance with paragraph 7-70.

7-63. ASSEMBLY OF LOWER BLOCK ASSEMBLY. To assemble the lower block assembly, see figure 7-13, and proceed as follows:

Materials Required

Quantity	Description	Reference Number
As Required	Krytox 240AC, Type III	MIL-G-27617 NIIN 00-961-8995
As Required	Lacquer Mixture	L1-P
As Required	Leak Detection Compound, Type I	MIL-L-25567

Support Equipment Required

Quantity	Description	Reference Number
1	Checking Gage	21005T76-1 (CAGE 53655)
1	Checking Gage	21007T76-1 (CAGE 53655)

1. Lubricate O-rings lightly with Krytox 240AC.

2. Use same dash number lock pin (1) as removed in disassembly. Dash number is identified by number of punch marks in assembly housing.

3. After installing lock pin (1), place checking gage P/N 21005T76-1 over lock pin and hold outer sleeve of gage firmly against face of body. Inner sleeve shall fall within limits defined by control step.

4. Pull cable assembly to remove gage.

5. After installing lock pin (2), place checking gage P/N 21007T76-1 over lock pin until gage bottoms on body.

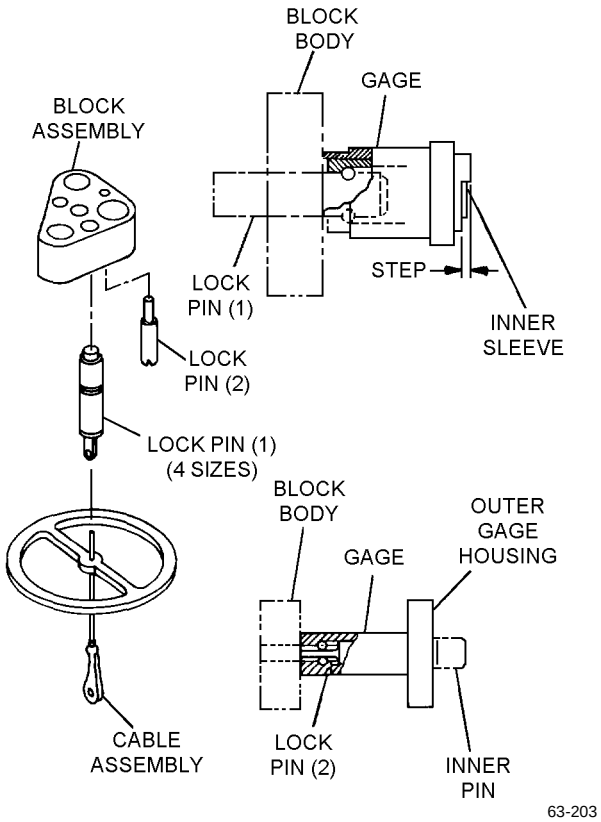


Figure 7-13. Lower Block Assembly

6. Depress inner pin to full bottom position.

7. While maintaining pressure on inner pin, attempt to pull outer gage housing off lock pin. Gage housing shall remain locked on.

8. Release pressure on inner pin, and pull back on housing to remove gage.

9. After assembly, fill all open screw holes with Torque Lacquer, Mixture No. L1-P or equivalent.

10. Leak test lower block assembly in accordance with paragraph 7-70.

7-64. ASSEMBLY OF UPPER BLOCK ASSEMBLY. To assemble the upper block assembly, proceed as follows:

Materials Required

Quantity	Description	Reference Number
As Required	Krytox 240AC, Type III	MIL-G-27617 NIIN 00-961-8995
As Required	Lacquer Mixture	L1-P
As Required	Leak Detection Compound, Type I	MIL-L-25567

Support Equipment Required

Quantity	Description	Reference Number
1	Wrench	26338-T52-1 (CAGE 53655)

1. Lubricate O-rings lightly with Krytox 240AC.

2. Use same dash number lock pin as removed in disassembly. Dash number is identified by number of punch marks in assembly housing.

3. Use wrench P/N 26338-T52-1 to tighten manual release indicator in top of knob assembly.

4. After assembly, fill all open screw holes with Torque Lacquer, Mixture No. L1-P or equivalent.

5. Leak test upper block assembly in accordance with paragraph 7-71.

7-65. (ROCKET JET, SCOTT ONLY) ASSEMBLY OF REDUCER/MANIFOLD. To assemble the reducer/manifold, proceed as follows:

1. Do not assemble items 19 through 28, figure 7-30; items 13 through 26, figure 7-40; and items 1 through 12, figure 7-47, until partial testing is complete.

2. Connect reducer/manifold to test setup (figure 7-14).

WARNING

To prevent possibility of injury, always conduct test while protected by shatterproof shield of transparent material.

3. Adjust regulated nitrogen or oxygen source for 1000 psi as indicated on gage A. With flow control valve closed, adjust retainer until gage B indicates 50 psi. (Screw retainer in to increase pressure, out to decrease pressure.)

4. Reduce inlet pressure to 250 psi as indicated on gage A. With flow control valve closed, record pressure on gage B.

5. Open flow control valve, and adjust flowmeter for flow rates of 20 to 90 LPM in increments of 20 LPM. At each flow rate, record pressure on gage B.

6. Increase inlet pressure to 2000 psi as indicated on gage A. With flow control valve closed, record pressure on gage B. Repeat step 3.

7. All pressures recorded in steps 2 through 4 shall remain within limits of 45 to 80 psi.

8. Close flow control valve, and allow pressure to stabilize for 1 minute. The pressure shall not increase more than 2 psi during next 5 minutes, and not at all during succeeding 5 minutes.

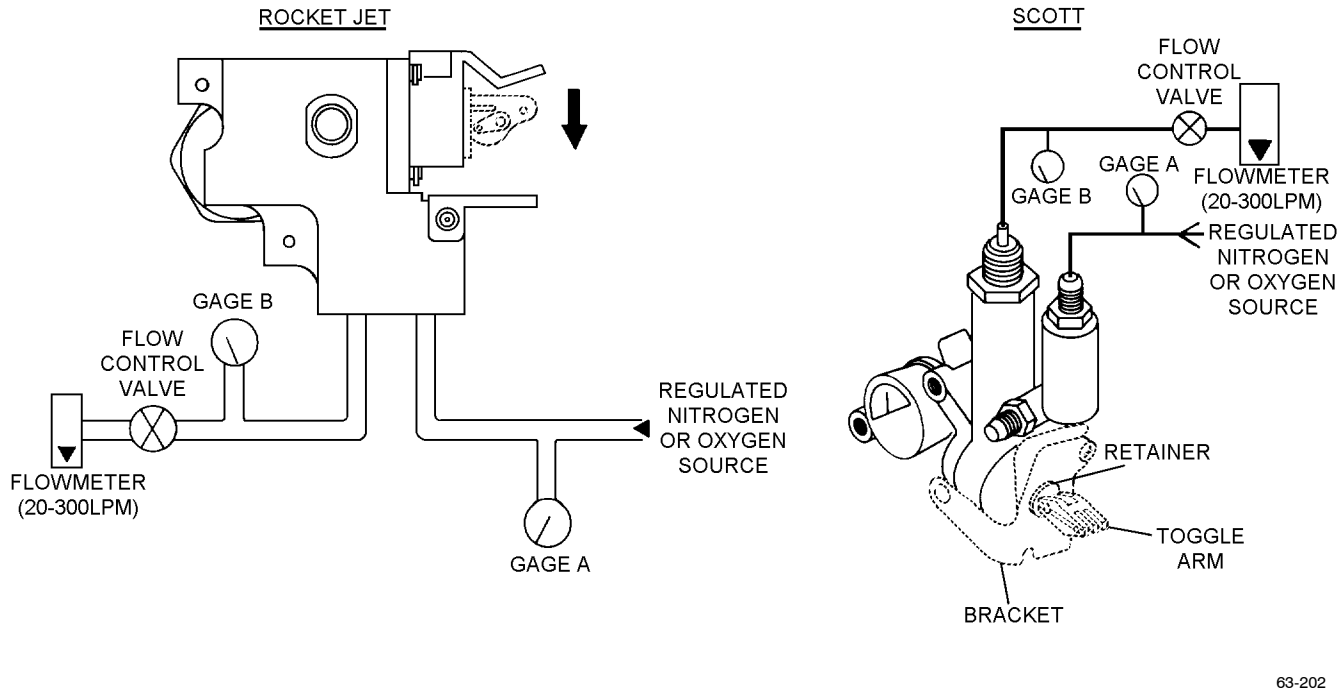


Figure 7-14. (Rocket Jet, Scott Only) Reducer/Manifold Assembly Test

9. Complete assembly of reducer by assembling toggle arm assembly.

10. Use spacers, as required, to ensure that bracket is squarely seated against outside face of retainer.

11. Use spacer as required to ensure complete closing of reducer when toggle arm is cocked.

12. Position toggle arm in closed position, and apply 2000 psi as indicated on gage A. Ensure that no leakage exists.

13. Repeat step 12 with 250 psi.

7-66. (EAST/WEST ONLY) ASSEMBLY OF REDUCER/MANIFOLD ASSEMBLY. The following procedures assemble the reducer/manifold assembly in four major operations: assembly of the high pressure assembly; assembly of low pressure assembly; assembly and preadjustment of the adjustment assembly; and assembly of oxygen gage, filler valve, adapter, and plug. It is imperative that the following assembly sequence be followed if the entire reducer/manifold assembly has been disassembled. See figure 7-15 and proceed as follows:

Materials Required

Quantity	Description	Reference Number
As Required	Krytox 240AZ Type I	MIL-G-27617 NIIN 01-007-4384
As Required	Tape, Antiseize	MIL-T-27730
As Required	Thread Locking Compound	VC-3 (CAGE 04866)
As Required	Plastic Bag	MIL-B-117
1	Spring Pin	MS171435
1	O-ring	MS28775-117
1	Filter	204B419-11

Support Equipment Required

Quantity	Description	Reference Number
1	Vise	—
1	Pressure Reducer Tool Set (figure 7-16)	T216D900-1 (CAGE 30941) NIIN 01-100-8928
1	Retaining Ring Pliers	S0100 (CAGE 79136)
1	Retaining Ring Pliers	SL0100 (CAGE 79136)
1	Torque Wrench 0-150 lb-in	TE-6FUA (CAGE 55729) or Equivalent
1	Toggle Reset Tool	Fabricate IAW paragraph 7-89

WARNING

Do not use oil or any material containing oil in conjunction with oxygen equipment. Oil, even in a minute quantity, coming in contact with oxygen can cause explosion or fire. Dust, lint, and fine metal particles are also dangerous.

NOTE

Maintenance personnel are advised to read and thoroughly familiarize themselves with each step prior to the accomplishment of the operations set forth in this procedure.

Discard and replace all packings, seals, cotter pins, and Teflon sealing tape removed during disassembly of emergency oxygen system.

All complete assemblies not immediately being returned to service shall be sealed in plastic bags with all external fittings properly capped.

1. Assemble high pressure assembly as follows:

NOTE

If the entire reducer/manifold assembly has not been disassembled, it is necessary to remove the adjustment assembly and low pressure assembly to correctly perform the following assembly procedures.

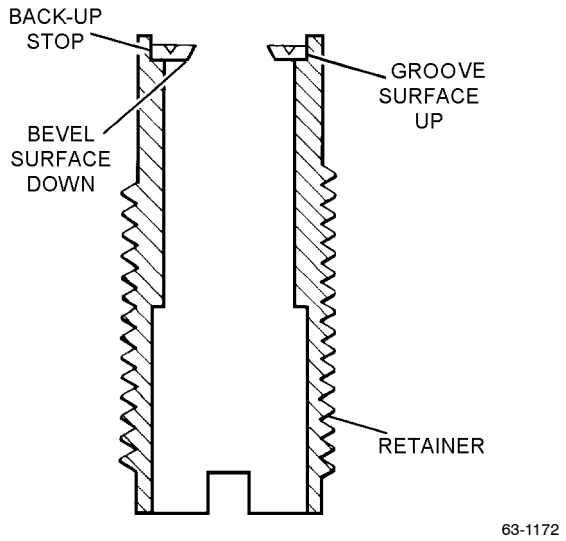
a. Ensure that the adjustment assembly has been removed in accordance with paragraph 7-47.

b. Ensure that the low pressure assembly has been removed in accordance with paragraph 7-47.

c. Ensure that all oxygen components to be assembled have been properly cleaned in accordance with NAVAIR 13-1-6.4-1.

d. Position retainer with threaded side down.

e. Install backup stop in upper groove of retainer, positioning bevel surface down and groove surface up.



Step 1e - Para 7-66

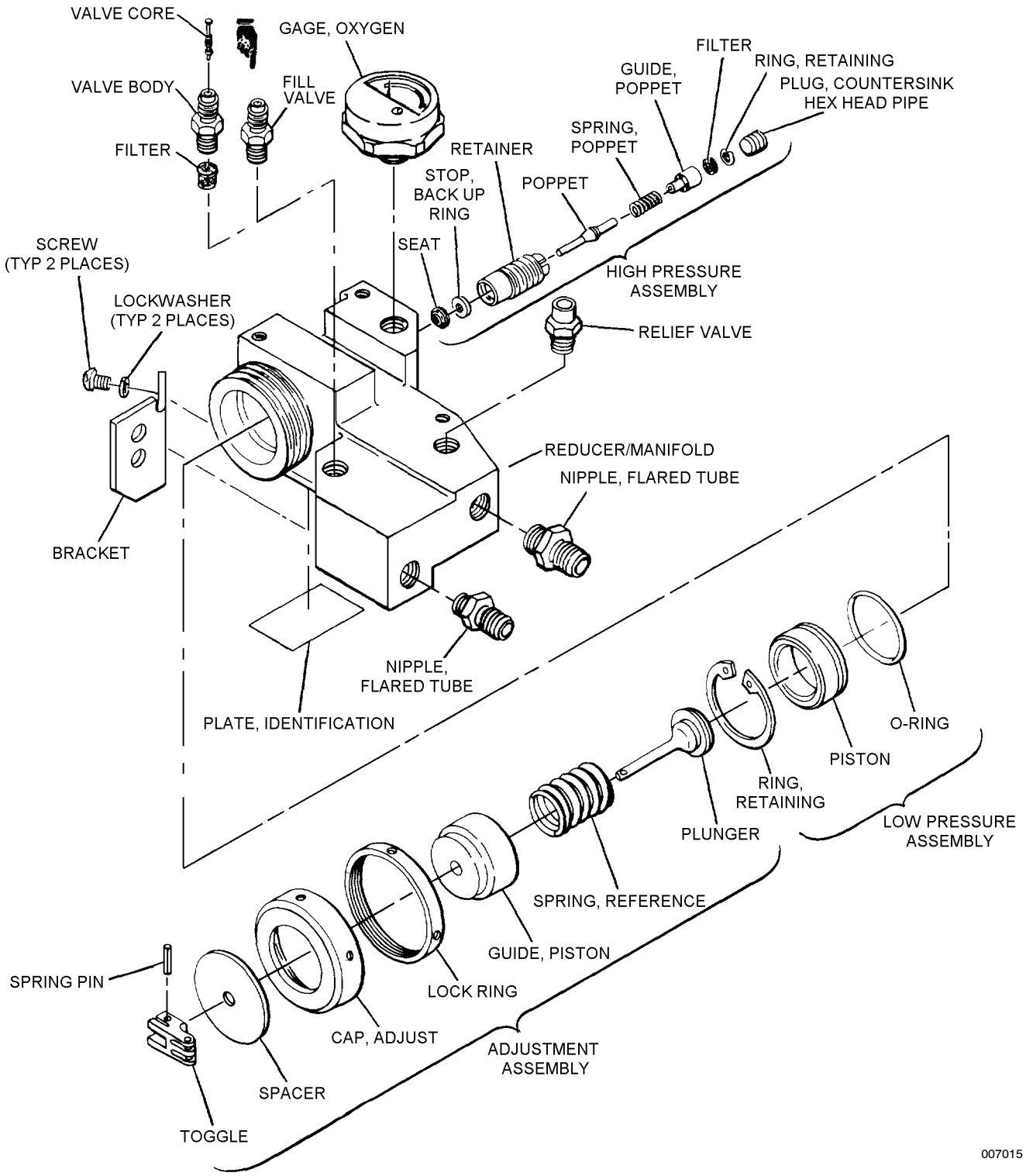


Figure 7-15. Reducer/Manifold Assembly (East/West)

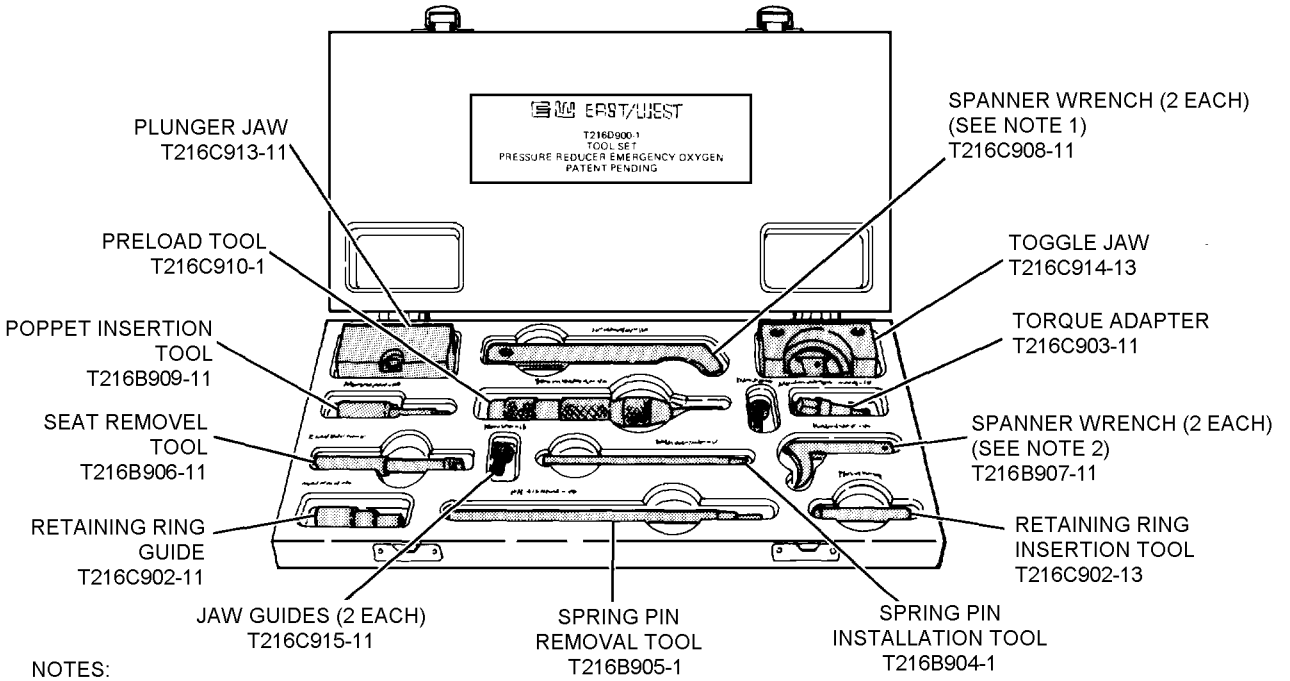
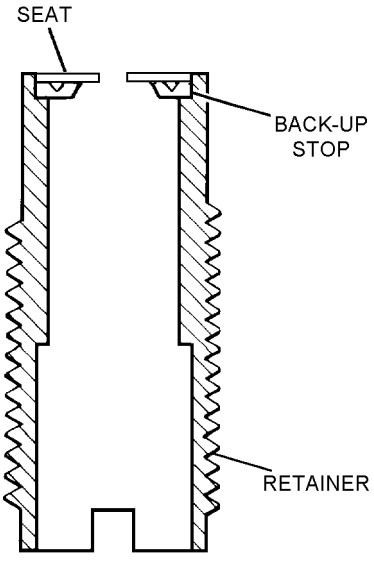


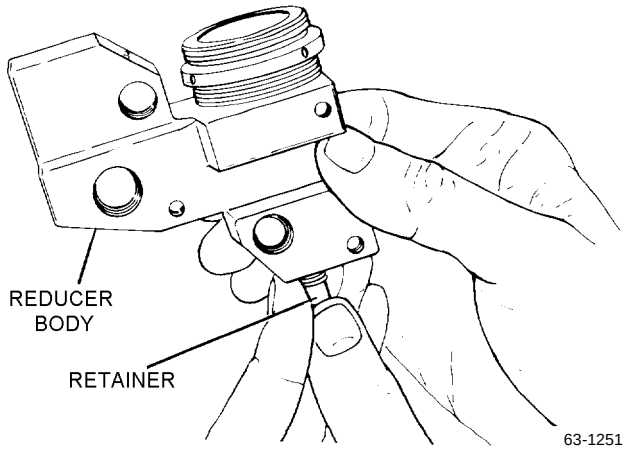
Figure 7-16. Emergency Oxygen Pressure Reducer Tool Set

f. Place seat on top backup stop ensuring proper alignment within retainer groove. Push firmly on seat with finger so that seat is retained in place.



Step 1f - Para 7-66

g. While holding retainer in an upright position with backup stop and seat positioned on top, lower reducer body onto retainer and slowly screw retainer into high pressure inlet port of reducer body.

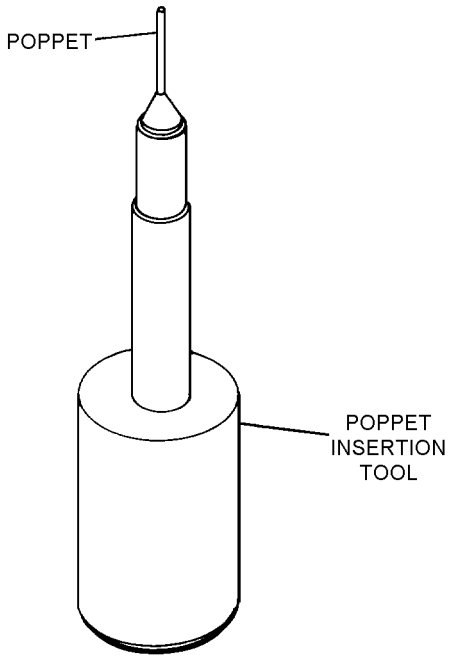


Step 1g - Para 7-66

h. Using torque adapter mounted on a 3/8-inch nut driver, continue screwing retainer into high pressure port until snug. Visually inspect for proper alignment of backup stop and seat into reducer body.

i. Torque retainer into reducer body to 32 to 35 lb-in, using retainer torque adapter and torque wrench.

j. Using poppet insertion tool, place poppet into tool so that cone-shaped part of poppet faces away from heavy end of tool

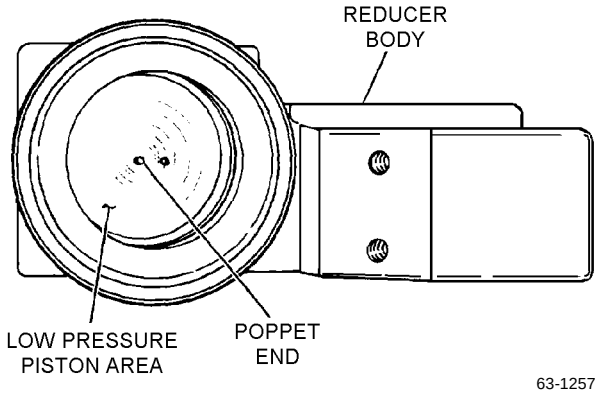


Step 1j - Para 7-66

CAUTION

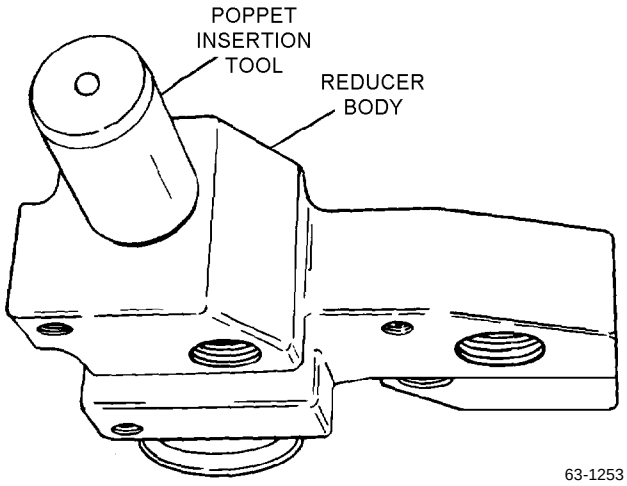
Be careful when inserting poppet that no pressure is applied which could bend poppet shaft. Be certain end of poppet extends into low pressure piston area.

k. Hold reducer body/housing with high pressure retainer side down. Slowly lower reducer housing onto poppet. Carefully rock and turn poppet insertion tool until poppet end is seen to extend into lower pressure piston area.



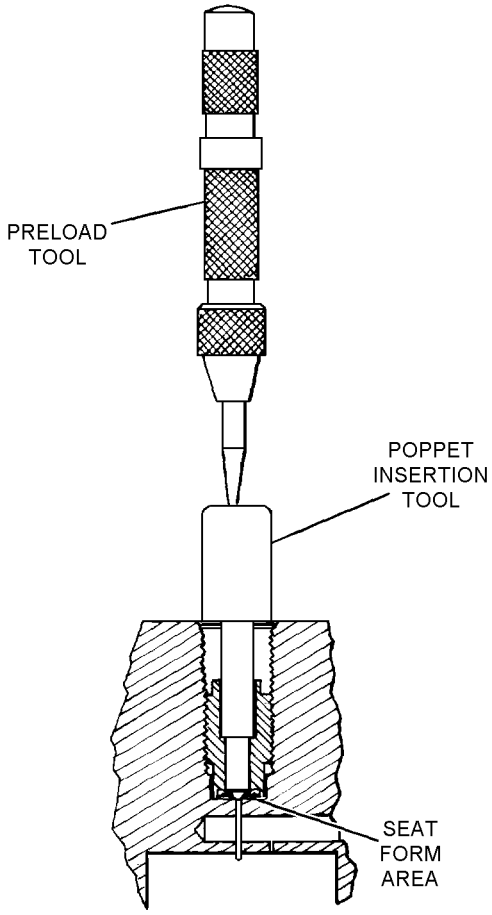
Step 1k - Para 7-66

l. Leaving poppet insertion tool inserted, turn entire assembly over so that high pressure or retainer assembly and poppet insertion tool are now facing up.



Step 1l - Para 7-66

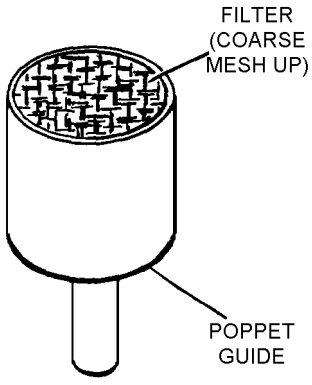
m. Place preload tool into dimple on top of poppet insertion tool. Press down once on preload tool until it unloads with a snap. This forms seat into its correct angle.



Step 1m - Para 7-66

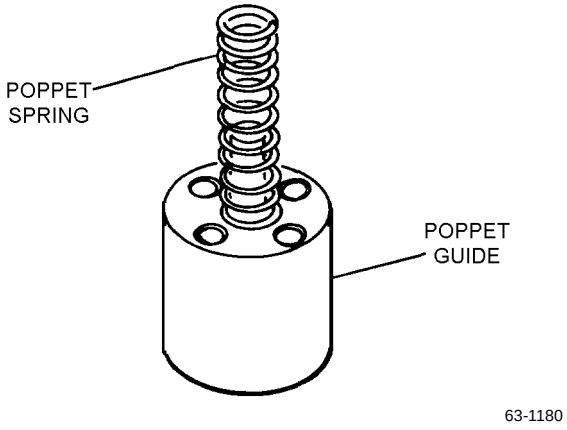
n. Remove poppet insertion tool so that poppet remains positioned inside reducer body.

o. Press filter with coarse mesh up into wide end of poppet guide.



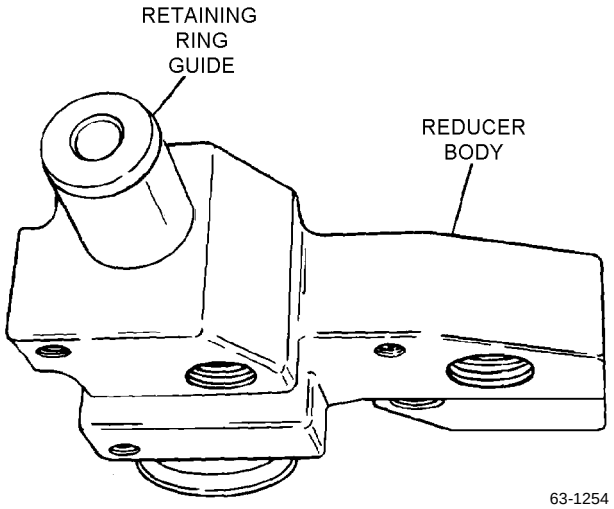
Step 1o - Para 7-66

p. Secure poppet spring to poppet guide by pressing spring onto shaft end of guide.



Step 1p - Para 7-66

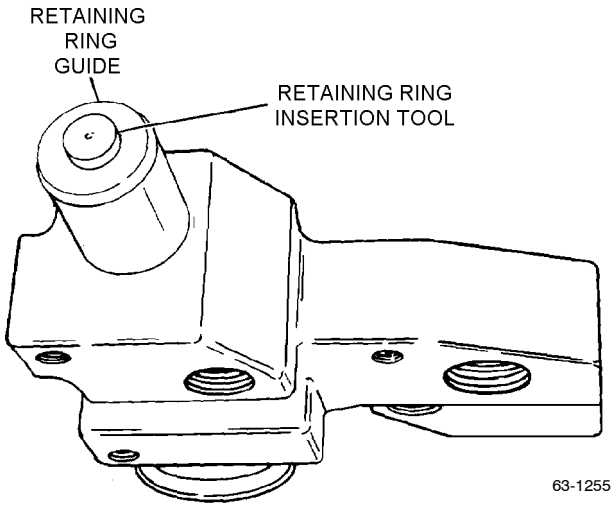
q. Position retaining ring guide into retainer so that the tool engages tangs of retainer.



Step 1q - Para 7-66

r. Insert poppet guide and spring with spring end down into opening in retaining ring guide.

s. Using retaining ring insertion tool, ensure that poppet guide and spring are properly positioned inside retainer.

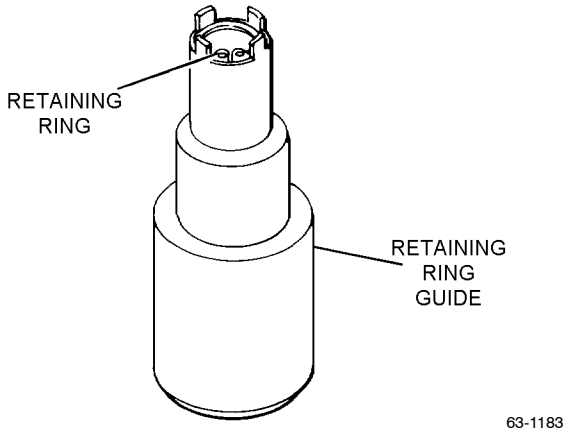


Step 1s - Para 7-66

t. Remove retaining ring insertion tool and retaining ring guide from reducer housing.

u. Visually check that filter end of poppet guide is slightly higher than ends of retainer.

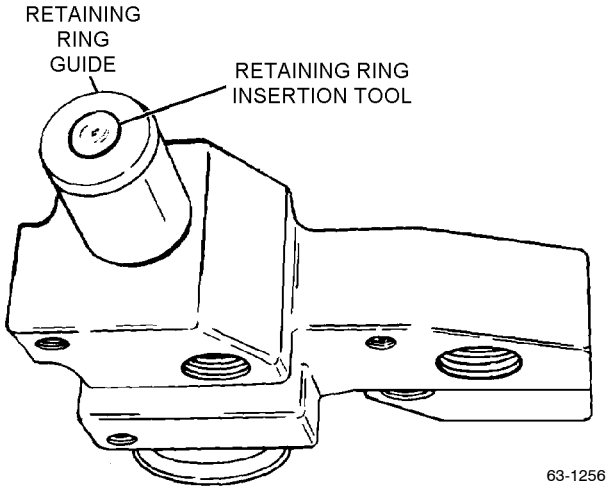
v. Using retaining ring pliers, install retaining ring inside tangs of retaining ring guide.



Step 1v - Para 7-66

w. Insert retaining ring guide into tangs of retainer. Insert retaining ring insertion tool into retaining ring guide.

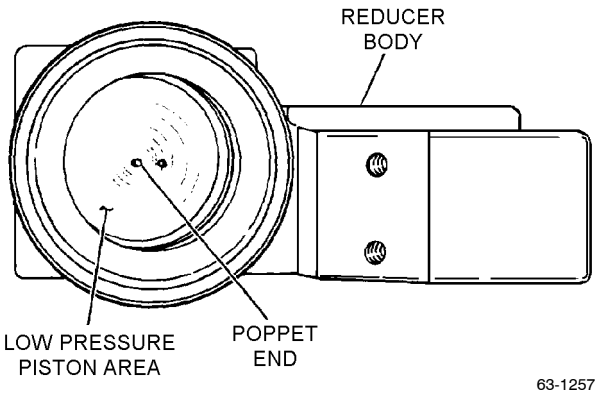
x. Compress poppet spring and seat retaining ring by pressing down on retaining ring insertion tool until flush with top of retaining ring guide.



Step 1x - Para 7-66

y. Remove retaining ring guide and insertion tool. Ensure retaining ring is properly seated in groove.

z. Verify that tip of poppet extends into lower pressure piston area.



Step 1z - Para 7-66

2. Assemble low pressure assembly as follows:

a. Ensure that high pressure assembly is properly assembled in accordance with step 1.

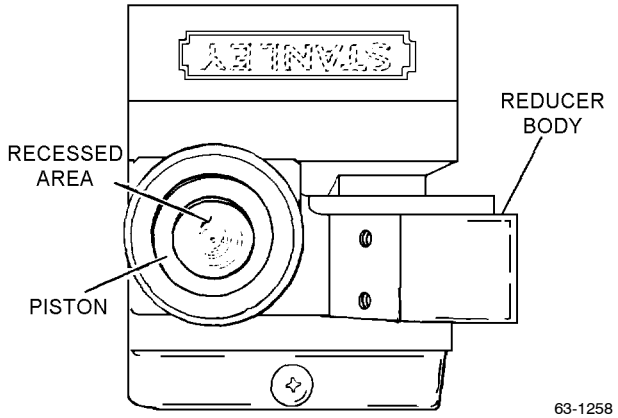
b. Ensure that all oxygen components to be assembled have been properly cleaned in accordance with NAVAIR 13-1-6.4-1.

c. Position oxygen pressure reducer assembly with adjustment side or low pressure side up and secure.

d. Lubricate new O-ring and mating surfaces with Krytox 240AZ. Install O-ring on piston.

e. Lubricate bore of reducer body with Krytox 240AZ.

f. Install piston, recessed end out, in bore of reducer body.



Step 2f - Para 7-66

g. Install retaining ring, using retaining ring pliers.

3. Assemble and preadjust adjustment assembly as follows:

a. Ensure that high pressure and low pressure assemblies have been properly assembled in accordance with steps 1 and 2.

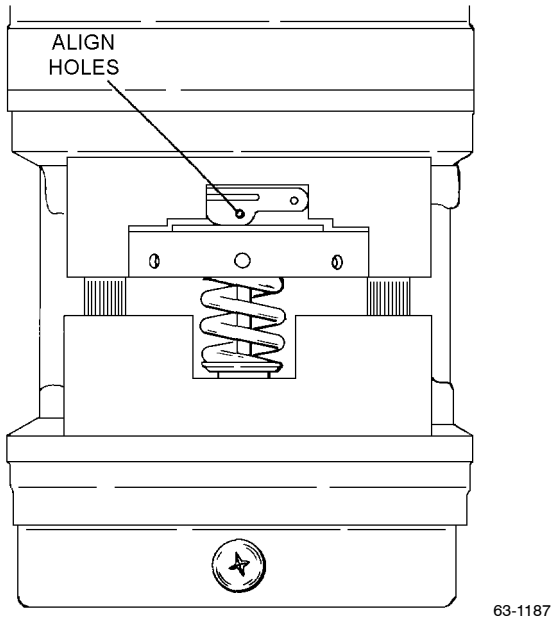
b. Ensure that all oxygen components to be assembled have been properly cleaned in accordance with NAVAIR 13-1-6.4-1.

c. Using appropriate Allen key, screw jaw guides into two threaded holes in toggle jaw.

d. Place toggle and plunger jaws in vise.

e. Assemble adjustment assembly components in proper sequence (figure 7-15). Position components in toggle and plunger jaws.

f. Apply vise pressure to compress spring. Align hole in toggle with hole in plunger end.



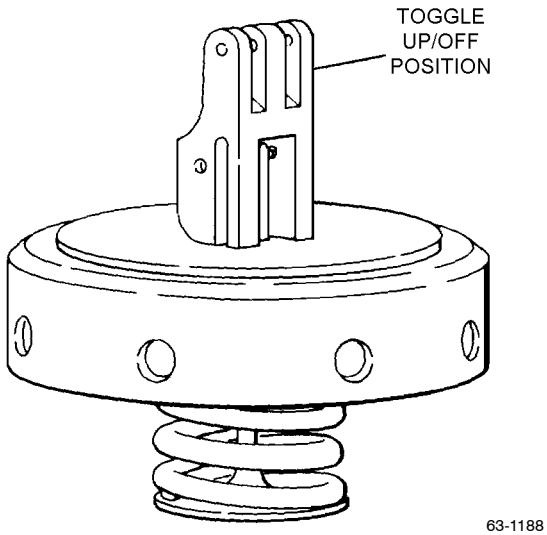
Step 3f - Para 7-66

g. With hole in toggle and hole in plunger aligned, insert new spring pin using spring pin installation tool. Insert spring pin into toggle hole as far as tool will permit. Remove tool and gently drive remainder of spring pin into toggle, using drift pin.

h. Slowly open vise jaws and ensure that assembly is properly secured.

i. Remove adjustment assembly from toggle and plunger jaws.

j. Using toggle reset tool, rotate toggle to upright (OFF) position.



Step 3j - Para 7-66

k. Position reducer assembly with cap adjustment side up.

l. Install lock ring onto reducer body.

NOTE

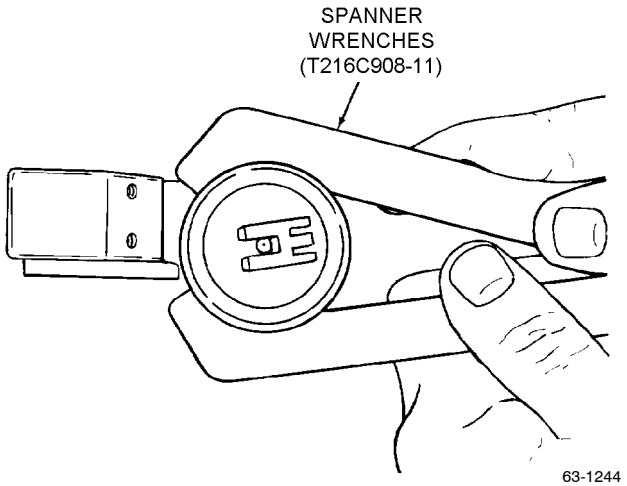
Ensure lock ring does not contact adjustment assembly during installation.

m. Install adjustment assembly onto reducer body by engaging screw threads and rotating clockwise to its lowest position.

n. Back off adjusting cap two complete turns for preadjustment.

o. Turn lock ring counterclockwise until snug with adjusting cap.

p. Place one spanner wrench (T216C908-11) in lock ring and second spanner wrench on adjusting cap and secure.



Step 3p - Para 7-66

4. Assemble oxygen gage, filler valve, two flare tube nipples and plug (figure 7-15) as follows:

a. Ensure that all oxygen components to be assembled have been properly cleaned in accordance with NAVAIR 13-1-6.4-1.

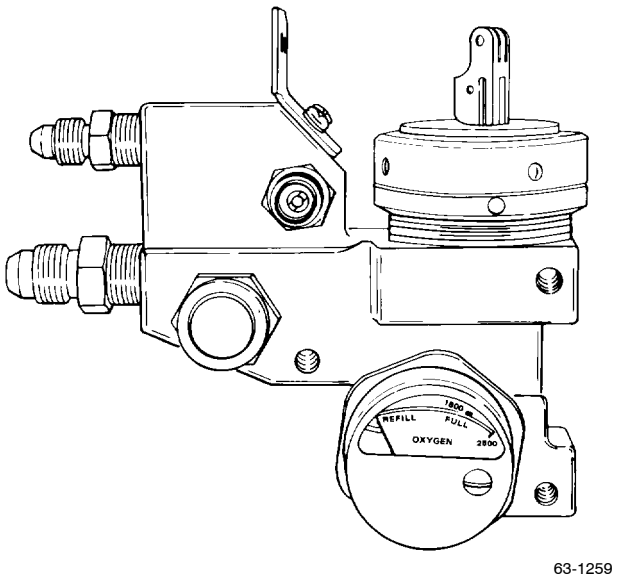
b. Apply antiseize tape to threads of oxygen gage. Install gage.

c. Install new filter in filler valve port.

d. Apply antiseize tape to threads of filler valve assembly. Install filler valve assembly.

e. Apply antiseize tape to threads of plug and install.

f. Install bracket with two screws and two lockwashers.



Step 4f - Para 7-66

7-67. (EAST/WEST ONLY) ADJUSTMENT OF REDUCER/MANIFOLD ASSEMBLY. To adjust flow rates and outlet pressures on the reducer/manifold assembly, proceed as follows:

Support Equipment Required

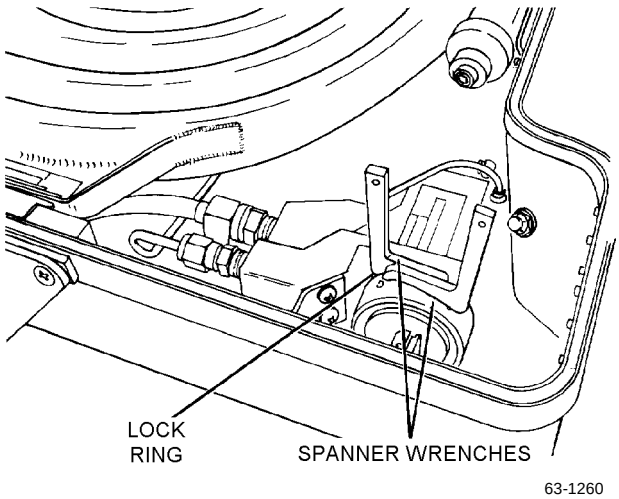
Quantity	Description	Reference Number
2	Spanner Wrenches (Note 1)	T216B907-11 (Note 3)
	-or-	
2	Spanner Wrenches (Note 2)	T216C908-11 (Note 3)

Notes:
1. Used when reducer/manifold assembly is installed in survival kit.
2. Used when reducer/manifold assembly is removed from survival kit.
3. The spanner wrenches are part of Pressure Reducer Tool Set P/N T216D900-1 (CAGE 30941).

NOTE

Although the following illustrations depict adjustment of the pressure reducer installed on the upper lid assembly, procedures for a disconnected reducer are the same with the exception of the spanner wrenches used in the adjustment procedures. See Support Equipment Required for correct spanner wrenches.

1. Using spanner wrenches, loosen pressure reducer lock ring.



Step 1 - Para 7-67

2. Turn adjusting cap counterclockwise to decrease pressure or clockwise to increase pressure.

3. Tighten pressure reducer lock ring.

4. Perform functional check on kit in accordance with paragraph 7-39.

7-68. (POST ASSEMBLY) LEAK TEST OF BLOCK ASSEMBLIES. Any disassembly of the intermediate, lower, or upper block will necessitate performing a leak test to ensure proper assembly and no leakage.

Materials Required

Quantity	Description	Reference Number
As Required	Leak Detection Compound, Type I	MIL-L-25567

7-69. Leak Test of Intermediate Block Assembly. To leak test the intermediate block assembly, proceed as follows:

WARNING

Before use, inspect leak detection compound. Compound which is not clear and free from suspended material/sediment is considered contaminated and shall be disposed of. Compound exhibiting peculiar odors, such as acetone or alcohol, is considered contaminated and shall be disposed of.

NOTE

A spare upper block assembly and lower block assembly are required for this test.

1. Mate upper block assembly and intermediate block assembly being tested. Seal outlet of connector.

2. Connect regulated nitrogen pressure source to oxygen fitting of upper block assembly, and pressurize to 90 psi.

3. Submerge blocks in clean water, or apply leak detection compound to all pressure lines and fittings to ensure no leakage. (If leak detection compound is used, clean all areas thoroughly after test.)

4. Relieve nitrogen pressure, and mate lower block assembly to intermediate block assembly.

5. Seal oxygen, vent air, and anti-g fittings of lower block assembly.

6. Apply 90 psi nitrogen to oxygen fitting, 4.0 psi to vent air fitting, and 15 psi to anti-g fitting of upper block assembly.

7. Submerge blocks in clean water, or apply leak detection compound to all pressure lines and fittings to ensure no leakage. (If leak detection compound is used, clean all areas thoroughly after test.)

8. After test, relieve nitrogen pressure, disconnect blocks, remove seals, and dry block assemblies thoroughly.

7-70. Leak Test of Lower Block Assembly. To leak test the lower block assembly, proceed as follows:

WARNING

Before use, inspect leak detection compound. Compound which is not clear and free from suspended material/sediment is considered contaminated and shall be disposed of. Compound exhibiting peculiar odors, such as acetone or alcohol, is considered contaminated and shall be disposed of.

NOTE

A spare upper block assembly and intermediate block assembly are required for this test.

1. Connect regulated nitrogen pressure source to vent air, oxygen, and anti-g fittings of lower block assembly.

2. Open valve of nitrogen source and apply 80 psi of nitrogen pressure to lower block oxygen line, 15 psi to the anti-g line, and 4.0 psi to vent air line.

3. Submerge blocks in clean water, or apply leak detection compound to all pressure lines and fittings to ensure no leakage. (If leak detection compound is used, clean all areas thoroughly after test.)

4. Relieve nitrogen pressure, and mate intermediate and upper blocks to lower block. Seal outlet ports of the upper block and connector of intermediate block.

5. Open valve of nitrogen source and apply 80 psi of nitrogen pressure to lower block oxygen line, 15 psi to the anti-g line, and 4.0 psi to vent air line.

6. Submerge blocks in clean water, or apply leak detection compound to all pressure lines and fittings to ensure no leakage. (If leak detection compound is used, clean all areas thoroughly after test.)

7. Relieve and remove nitrogen pressure. Disconnect block assemblies, remove all seals, and thoroughly dry block assemblies.

7-71. Leak Test of Upper Block Assembly. To leak test the upper block assembly, proceed as follows:

WARNING

Before use, inspect leak detection compound. Compound which is not clear and free from suspended material/sediment is considered contaminated and shall be disposed of. Compound exhibiting peculiar odors, such as acetone or alcohol, is considered contaminated and shall be disposed of.

NOTE

A spare intermediate block assembly is required for this test.

1. Connect regulated nitrogen pressure source to oxygen and vent air fittings of upper block.

2. Mate upper block with intermediate block assembly, and seal connector of intermediate block.

3. Open valve of nitrogen source and pressurize upper block oxygen fitting to 80 psi and vent air fitting to 4.0 psi.

4. Submerge blocks in clean water, or apply leak detection compound to all pressure lines and fittings to ensure no leakage. (If leak detection compound is used, clean all areas thoroughly after test.)

5. After test, relieve nitrogen pressure. Disconnect upper block from intermediate block, remove seal, and thoroughly dry block assemblies.

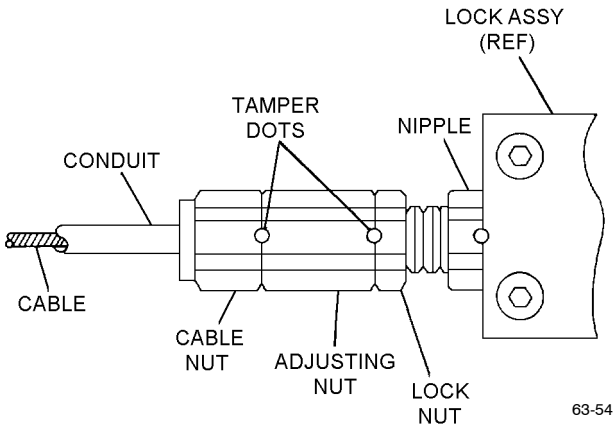
7-72. ADJUSTMENTS.

7-73. ADJUSTMENT OF LOCK ASSEMBLIES. If locks fail to release simultaneously, adjust (advance or retard) as follows:

Materials Required

Quantity	Description	Reference Number
As Required	Lacquer, Fed. Std. 595	MIL-L-7178

1. To advance the release operation, loosen lock nut and back off adjusting nut, away from assembly to desired amount.



Step 1 - Para 7-73

2. When desired timing is achieved, tighten lock nut against adjusting nut.

3. To retard the release operation, proceed in accordance with steps 1 and 2, except rotate adjusting nut toward assembly.

4. Apply tamper dots on nuts with lacquer. Use any contrasting color when applying tamper dots to nuts.

7-74. (ROCKET JET) ADJUSTMENT OF EMERGENCY OXYGEN, REDUCER/MANIFOLD, ACTUATING CABLES. To adjust the cables on the reducer/manifold assemblies P/N 741370 and P/N 741370-1, proceed as follows:

Materials Required

Quantity	Description	Reference Number
As Required	Lacquer, Fed. Std. 595	MIL-L-7178

NOTE

There are two possible reducer/manifold assemblies that may be found on Rocket Jet RSSK-1/1A Survival Kits. Although the basic adjustment procedures are the same, differences in cable routing make it mandatory to first establish which reducer is being adjusted. When reducer configuration is established, proceed to step 1 or step 2, whichever step is applicable.

1. Reducer/Manifold Assembly (P/N 741370). To adjust the cables on reducer/manifold assembly (P/N 741370), proceed as follows:

NOTE

Because of known problems in cable installation, it is important at this point to establish the correct intermediate block and cable assembly to be used in conjunction with reducer/manifold assembly (P/N 741370). Reducer/manifold assembly (P/N 741370) utilizes a P/N 741290 intermediate block and a P/N 741275 cable assembly only.

Cable (2) from intermediate block shall be routed over top of toggle arm (7). Cable (3) to manual oxygen release shall be routed straight through toggle arm with one ball on each side of pin (8) (figure 7-17).

a. Remove E-ring (4), loosen nut (5), and turn adjusting terminal (6) to provide result (refer to paragraph 7-39). To slacken cable, back off adjusting terminal away from toggle arm (7); to tighten cable, turn adjusting terminal toward toggle arm (figure 7-17).

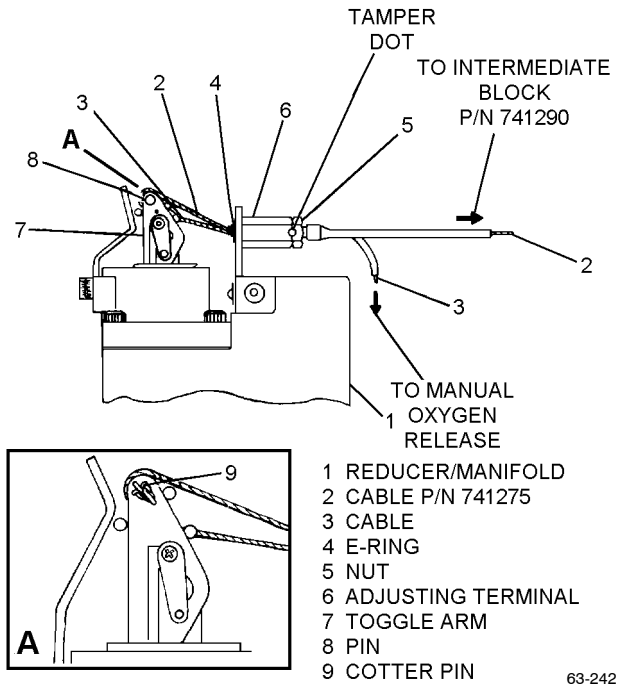


Figure 7-17. Reducer/Manifold Assembly P/N 741370 Cable Routing

b. After adjustment of cable, reinstall E-ring (4), tighten nut (5) against adjusting terminal (6), and apply tamper dot to nut (5) and adjusting terminal (6).

2. Reducer/Manifold Assembly (P/N 741370-1). To adjust the cables on reducer/manifold assembly (P/N 741370-1), proceed as follows:

NOTE

Because of known problems in cable installation, it is important at this point to install the correct intermediate block and cable assembly to be used in conjunction with reducer/manifold assembly (P/N 741370-1). Reducer/manifold assembly P/N 741370-1 uses a P/N 741290-1 intermediate block and a P/N 741275-1 cable assembly only.

Cable (2) from intermediate block shall be routed through the top of toggle arm (7). Proper position of cable (2) is one swaged ball on side of toggle arm (7), farthest from intermediate block, and two swaged balls between toggle arm and adjusting terminal (6). Cable (3) from manual oxygen release shall be routed through toggle arm (7) with one swaged ball on each side of toggle arm (figure 7-18).

a. Remove E-ring (4), loosen nut (5), and turn adjusting terminal (6) to provide desired result (refer to paragraph 7-39). To slacken cable, back off adjusting terminal away from toggle arm (7); to tighten cable, turn adjusting terminal toward toggle arm (figure 7-18).

b. After adjustment of cable, reinstall E-ring (4), tighten nut (5) against adjusting terminal (6), and apply tamper dot to nut (5) and adjusting terminal (6). Use any contrasting color when applying tamper dots to nut and adjusting terminal.

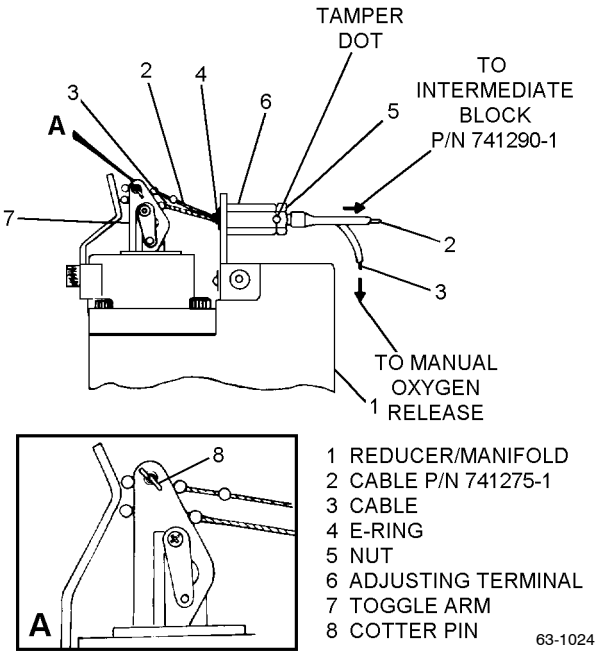


Figure 7-18. Reducer/Manifold Assembly P/N 741370-1 Cable Routing

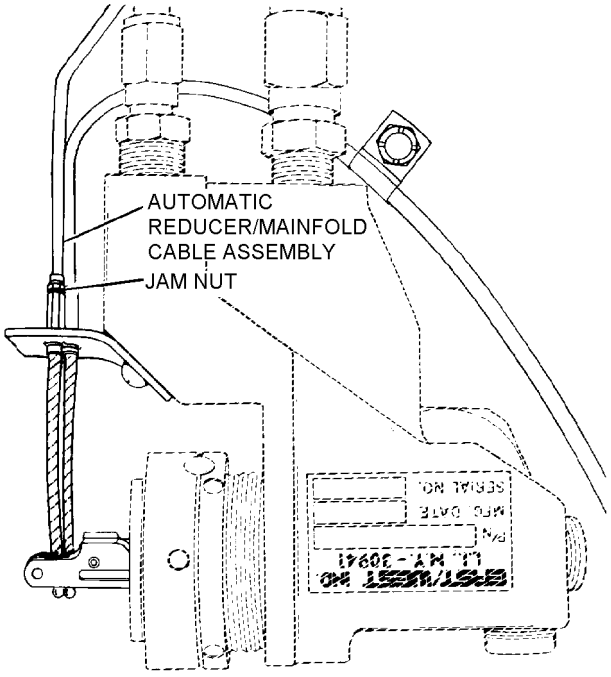
7-75. (EAST/WEST) ADJUSTMENT OF AUTOMATIC REDUCER/MANIFOLD CABLE. To adjust the automatic reducer/manifold, proceed as follows:

Materials Required

Quantity	Description	Reference Number
As Required	Lacquer, Fed. Std. 595	MIL-L-7178

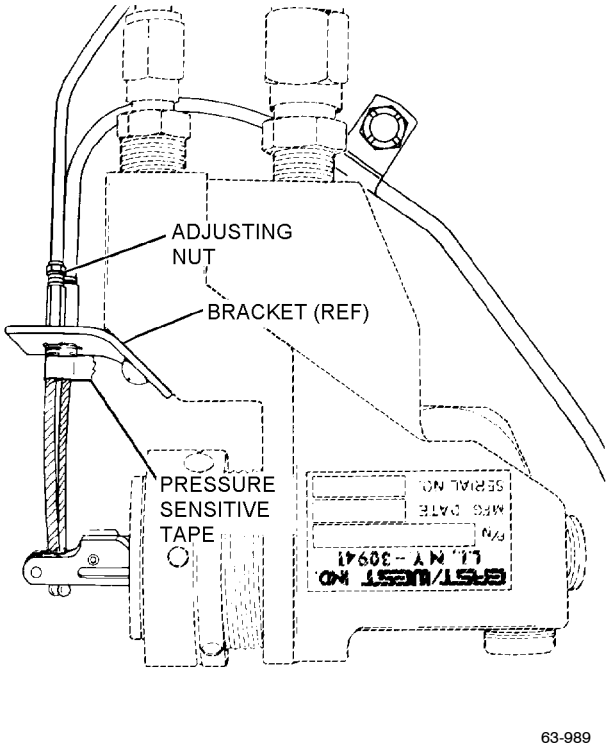
1. Ensure that the toggle arm is in the cocked position.

2. Loosen the jam nut on the nipple of the automatic reducer/manifold cable assembly.



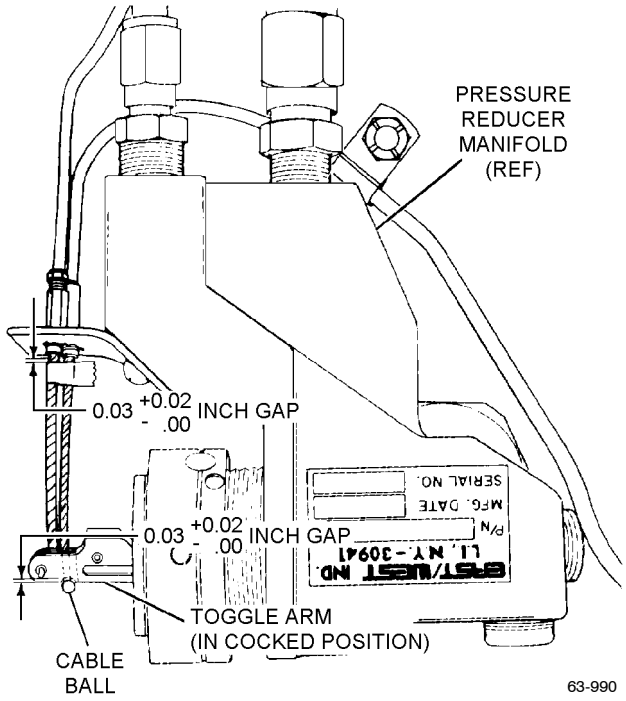
Step 2 - Para 7-75

3. Turn the adjusting nut in the direction necessary to provide a gap of 0.03 +0.02, -0.00 inch between the cable ball and toggle arm. To check clearance, push cable into conduit assembly until cable ball is seated in slot of toggle arm. Place a piece of pressure sensitive tape around cable with edge of tape flush against end of adjustment point.



Step 3 - Para 7-75

4. With tape in place, pull cable forward and measure the distance between edge of tape and end of adjusting nut. Make adjustment as necessary to obtain desired measurement.



Step 4 - Para 7-75

5. Tighten jam nut and remove tape.

WARNING

Ensure that toggle arm is placed upright (not canted, turned, or overcocked) and positioned such that it will trip directly towards cable guide bracket.

Ensure cables and cable balls are not wrapped around reducer toggle and jammed against the inside of the kit lid.

6. Perform functional test in accordance with paragraph 7-39.

7. Apply tamper dot to jam nut and adjusting nut on automatic reducer/manifold cable. Use any contrasting color when applying tamper dots to jam nut and adjusting nut.

7-76. (SCOTT) ADJUSTMENT OF REDUCER/MANIFOLD CABLES. To adjust the reducer/manifold cables, proceed as follows:

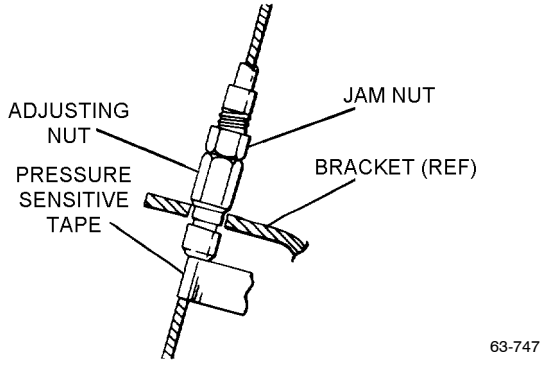
Materials Required

Quantity	Description	Reference Number
As Required	Lacquer, Fed. Std. 595	MIL-L-7178

1. Ensure that the toggle arm is in the cocked position.

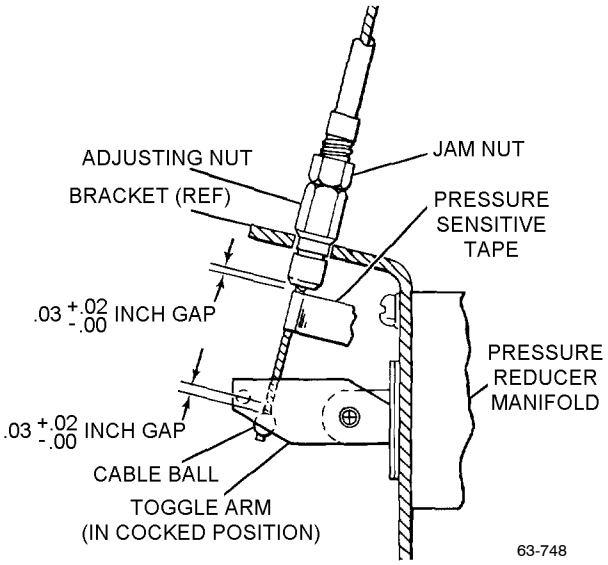
2. Loosen the jam nut on the nipple at the forward end of the intermediate actuated cable housing.

3. Turn adjusting nut in direction necessary to provide gap of 0.03 +0.02, -0.00-inch between cable ball and toggle arm. To check clearance, push cable toward intermediate block until cable ball seats in toggle arm. Then place piece of pressure-sensitive tape around cable, with edge of tape flush against end of adjusting nut.



Step 3 - Para 7-76

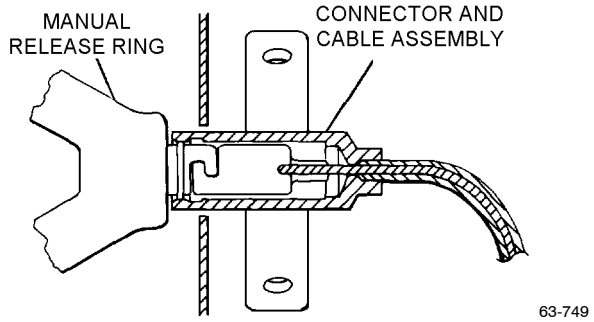
4. With tape in place, pull cable forward, and measure distance between edge of tape and end of adjusting nut. Make adjustment as necessary to obtain desired measurements.



Step 4 - Para 7-76

5. Tighten jam nut, remove tape, and apply tamper dot to jam nut and adjusting nut. Use any contrasting color when applying tamper dots to jam nut and adjusting nut.

6. Ensure manual release ring is in stowed position.



Step 6 - Para 7-76

7. Loosen jam nut on nipple at reducer/manifold end of manual release ring actuated cable housing.

8. To adjust manual release ring cable, repeat steps 3 through 5.

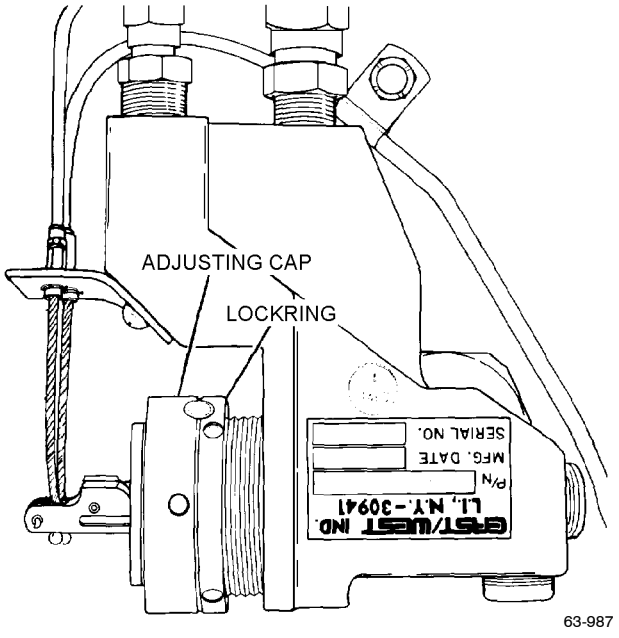
9. Perform functional test in accordance with paragraph 7-39.

7-77. (EAST/WEST) ADJUSTMENT OF THE PRESSURE REDUCER ASSEMBLY. To adjust flow rates and outlet pressures on the reducer assembly, proceed as follows:

1. Loosen lockring.

2. Turn adjusting cap counterclockwise to decrease pressure, clockwise to increase pressure.

3. Tighten lockring.



Step 3 - Para 7-77

4. Perform functional check on kit in accordance with paragraph 7-39.

7-78. ADJUSTMENT OF RELIEF VALVE. If the relief valve fails to unseat within the 120 to 140 psi tolerance, adjust relief valve as follows:

1. Remove relief valve from reducer/manifold.

2. Loosen hex locknut (figure 7-19) using the relief valve adjustment tool, (paragraph 7-88).

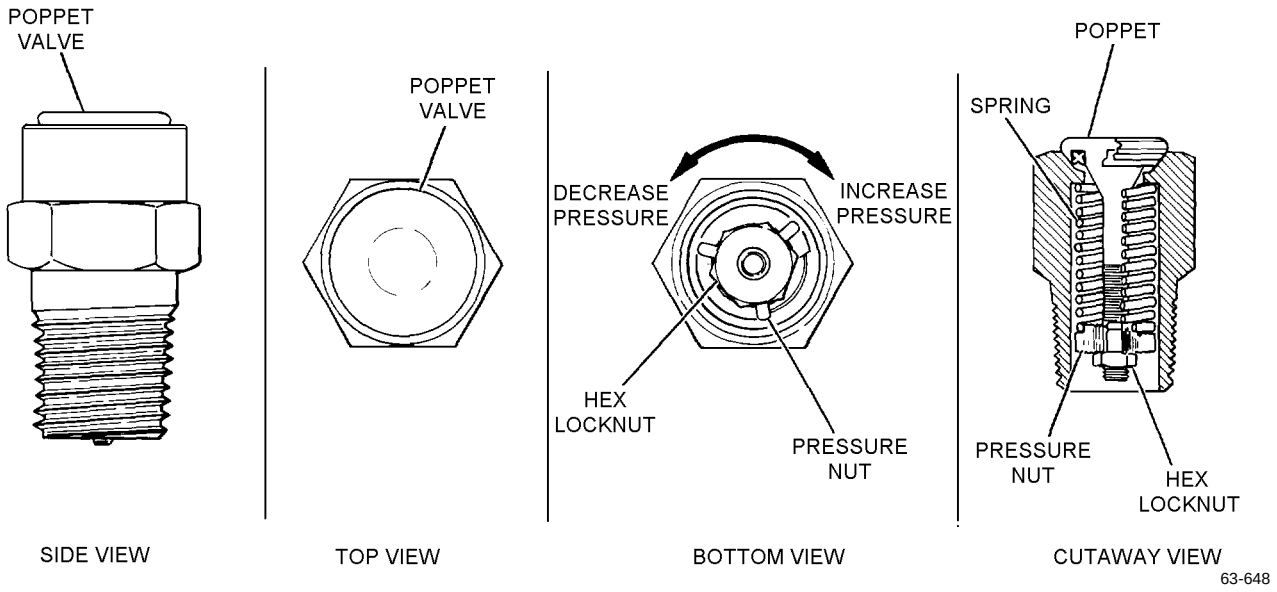


Figure 7-19. Adjustable Relief Valve (Typical)

3. Adjust the valve unseating pressure by turning three prong pressure nut clockwise to increase relief valve pressure and counterclockwise to decrease relief pressure (figure 7-19).

NOTE

The adjustment of the three prong pressure nut is performed in incremental rotations of 1/2 plus or minus 1/4 turns.

4. Tighten hex locknut.

5. Install relief valve, and perform functional check in accordance with paragraph 7-39.

7-79. ELECTRICAL CHECK.

7-80. ELECTRICAL CHECK (BLOCKS). To perform an insulation breakdown and electrical continuity check on the block assemblies, proceed as follows (figure 7-20).

Support Equipment Required

Quantity	Description	Reference Number
1	500 VDC Megger	—
1	Ohmmeter or equivalent	—

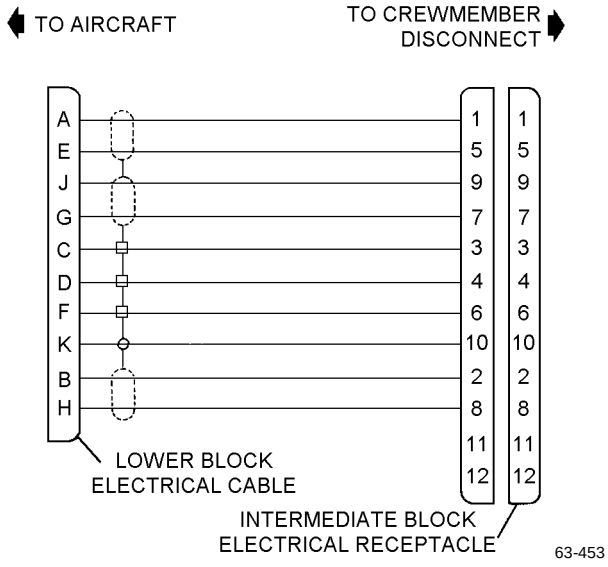


Figure 7-20. Electrical Schematic (Blocks)

1. Using a 500 VDC Megger, perform an insulation breakdown test. The insulation resistance shall be measured at a test potential of 500 ±50 volts dc applied for not less than 0.1 second. Check the resistance between any two conductors. Indication shall be 100 megohms or greater.

NOTE

Ensure the Rx1 scale is used in the performance of the electrical continuity check.

2. Using an ohmmeter or its equivalent, perform an electrical continuity check by checking the continuity of each wire at its respective termination point.

Section 7-7. Fabrication

7-81. GENERAL.

7-82. This section contains instructions for fabrication of tools and components that can be manufactured by local maintenance activities.

7-83. TOGGLE RESET TOOL. To fabricate a toggle reset tool, proceed as follows:

1. Modify a standard slot screwdriver in accordance with figure 7-21.

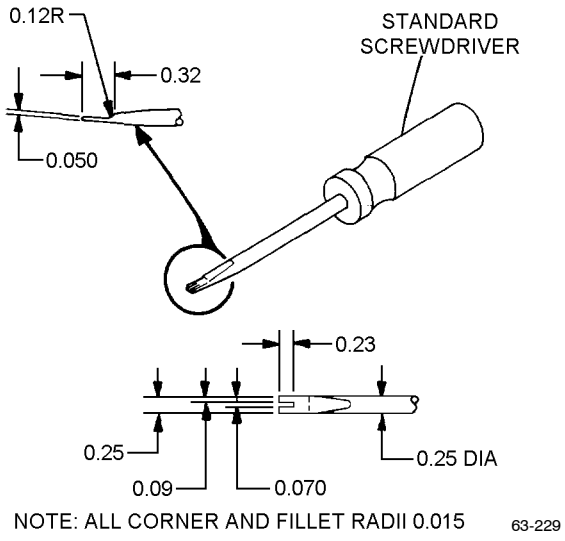


Figure 7-21. Toggle Reset Tool

7-84. DROPLINE. To fabricate a dropline, proceed as follows:

Materials Required

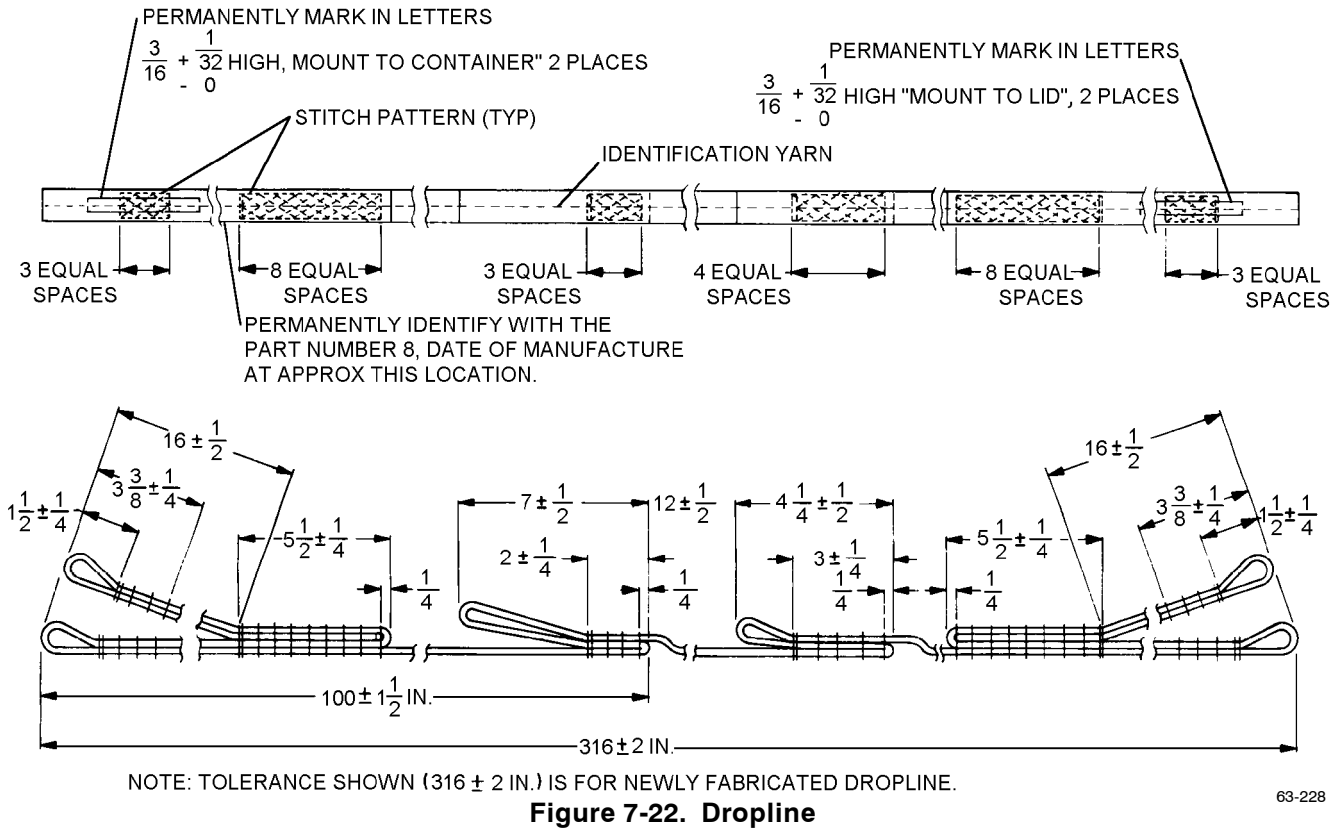
Quantity	Description	Reference Number
As Required	Webbing, 3/4-Inch Wide, Tubular, Yellow	MIL-W-5625 NIIN 00-753-6531
As Required	Thread, Nylon, Type I, Class A, Size FF, Color: White	V-T-295 NIIN 00-267-3024

1. Lay out webbing and position identification yarn on top before proceeding.

2. Construct a dropline in accordance with figure 7-22.

3. Sear exposed ends of webbing.

4. All stitching shall be Type 301, ASTM-D-6193, 8 to 10 stitches per inch, and backstitched 1/2 inch minimum.



NOTE: TOLERANCE SHOWN (316 ± 2 IN.) IS FOR NEWLY FABRICATED DROPLINE.

63-228

Figure 7-22. Dropline

7-85. BOOT. To fabricate a boot, proceed as follows:

Materials Required

Quantity	Description	Reference Number
As Required	Nylon	MIL-C-8135 -or- MIL-C-81395
As Required	Thread, Nylon, Type I, Class A, Size FF, Color: White	V-T-295 NIIN 00-267-3024

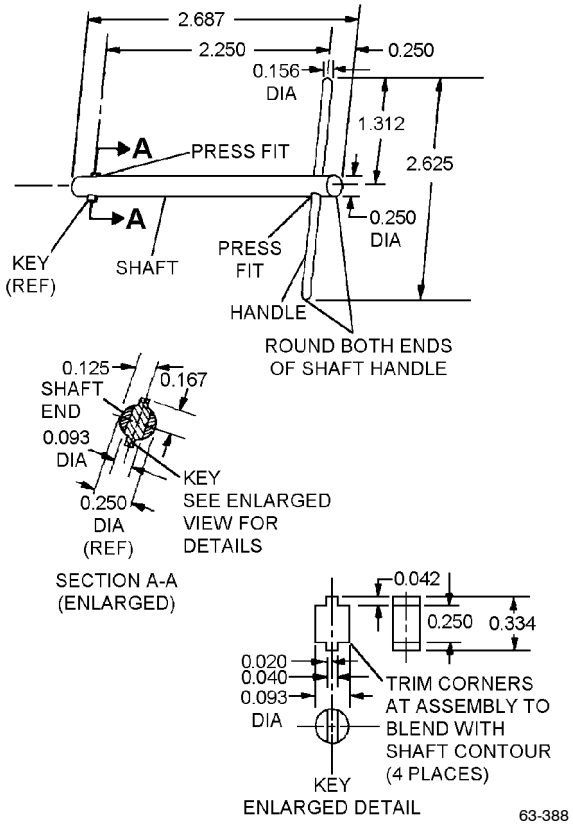
1. Construct a boot in accordance with figure 7-23.

2. Sear exposed ends of webbing and avoid sharp edges.

3. All stitching shall be Type 301, ASTM-D-6193, 8 to 10 stitches per inch, and backstitched 1/2 inch minimum.

7-86. T-WRENCH. To fabricate a T-wrench, proceed as follows:

1. Fabricate wrench from steel as shown.



63-388

Step 1 - Para 7-86

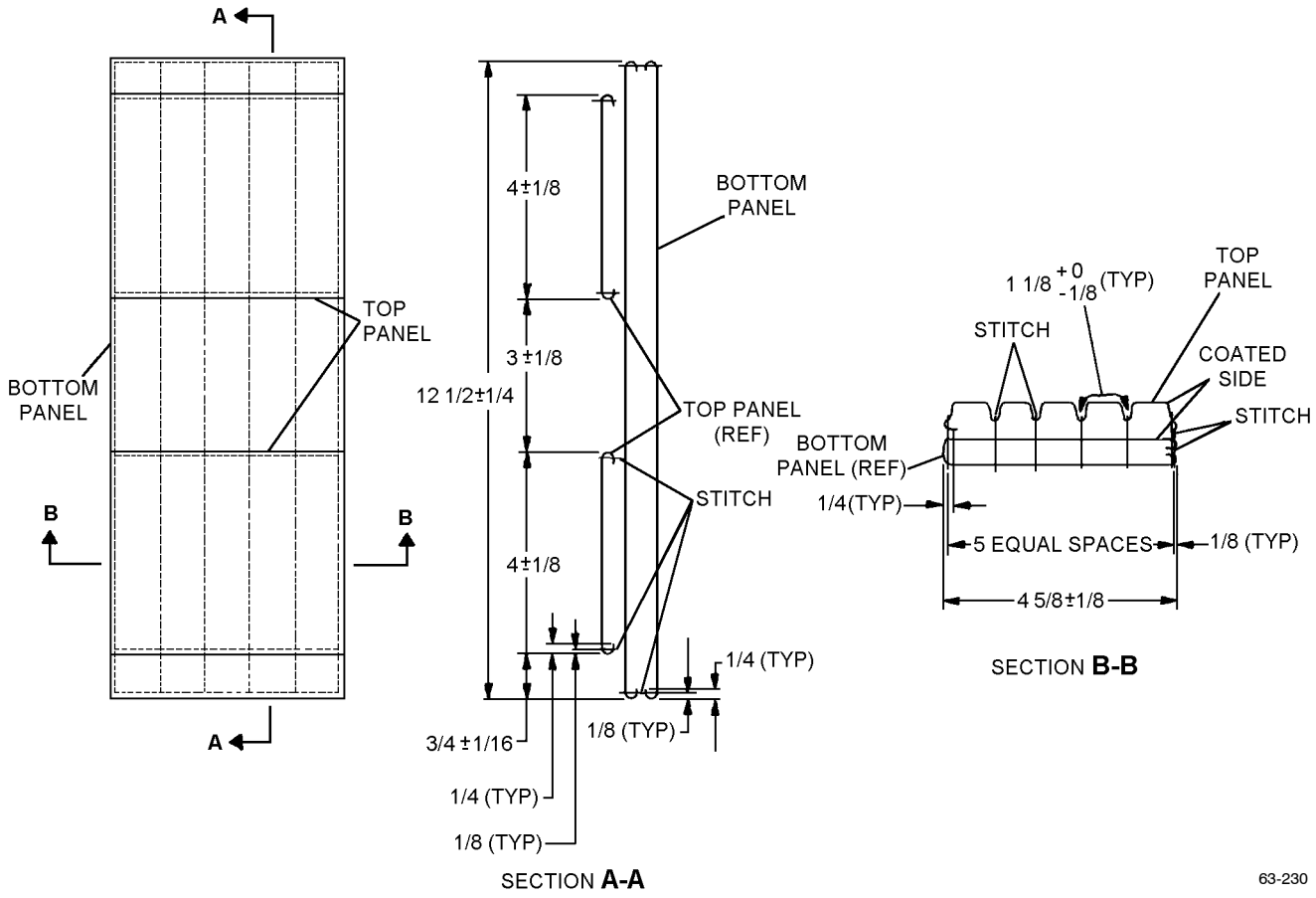


Figure 7-23. Boot

7-87. BRAKE RIDER'S STRAP. To fabricate a brake rider's strap, proceed as follows:

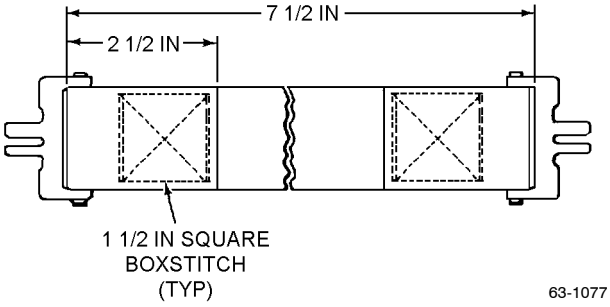
Materials Required

Quantity	Description	Reference Number
2	Release Assembly Lapbelt Fitting	015-11366-1 (CAGE 99449)
24 Inches	Webbing, Nylon Type XXVII, 1 23/32 Inches Wide	MIL-W-4088 NIIN 00-530-1489
As Required	Thread, Nylon Type II, Class A, Size 6	V-T-295 NIIN 00-559-5211

1 Cut a piece of nylon webbing 24 inches in length.

2. Sear exposed ends of webbing.

3. Secure fittings with 1 1/2-inch square boxstitch. All stitching shall be Type 301, ASTM-D-6193, 4 to 6 stitches per inch, and backstitch 1/2-inch minimum.



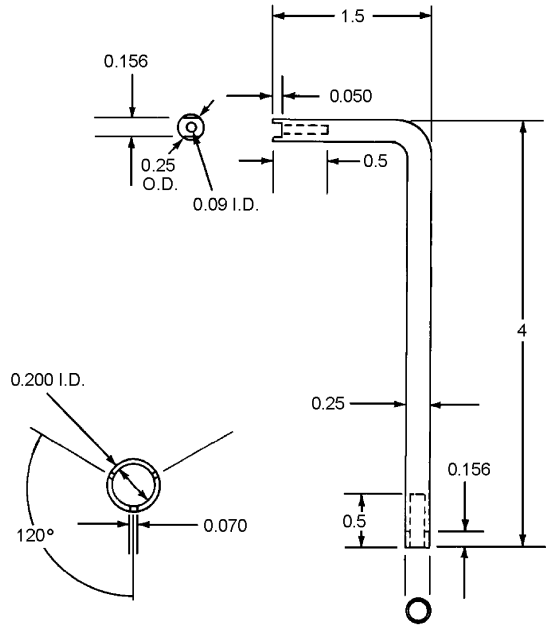
Step 3 - Para 7-87

7-88. RELIEF VALVE ADJUSTMENT TOOL. To fabricate a relief valve adjustment tool proceed as follows:

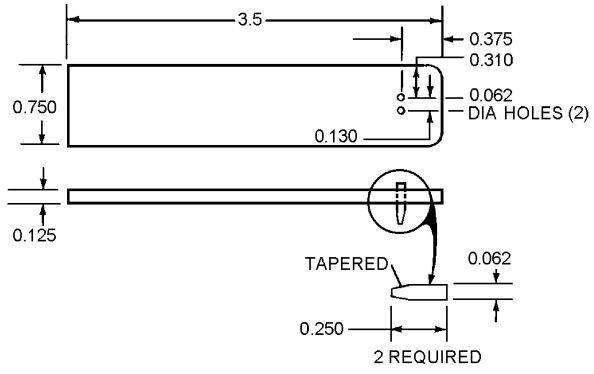
Materials Required

Quantity	Description	Reference Number
As Required	Mild Steel or Brass	—

1. Fabricate relief valve adjustment tool from mild steel or brass as shown.



THREE PRONG PRESSURE NUT ADJUSTABLE TYPE



CAP ADJUSTABLE TYPE

63-3053

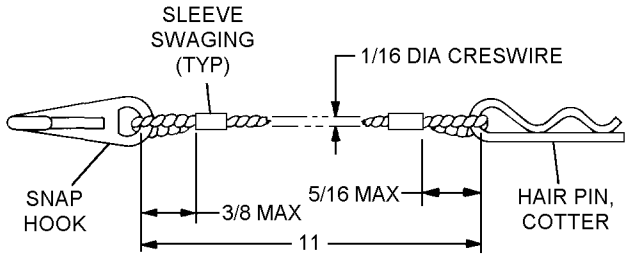
Step 1 - Para 7-88

7-89. ACTUATION LANYARD (AN/URT-33 RADIO BEACON). To fabricate actuation lanyard (P/N CL204C4-5), proceed as follows:

Materials Required

Quantity	Description	Reference Number
As Required	1/16 Cable Creswire	MIL-C-5424-1-16
1	Hairpin Cotter	LHCOTC (CAGE 96652)
2	Sleeve, Swaging	MS51844-1
1	Snaphook (Brass)	M43770-12A-MEIZI

1. Fabricate actuation lanyard from 1/16 Cable Creswire as shown.



63-463

Step 1 - Para 7-89

Section 7-8. Illustrated Parts Breakdown

7-90. GENERAL.

7-91. This section lists and illustrates the assemblies and detail parts of the RSSK-1/-1A Rigid Seat Survival Kit Assemblies as manufactured by Scott Aviation Corporation, Rocket Jet Corporation, and East/West Industries.

7-92. The Illustrated Parts Breakdown should be used during maintenance when requisitioning and identifying parts.

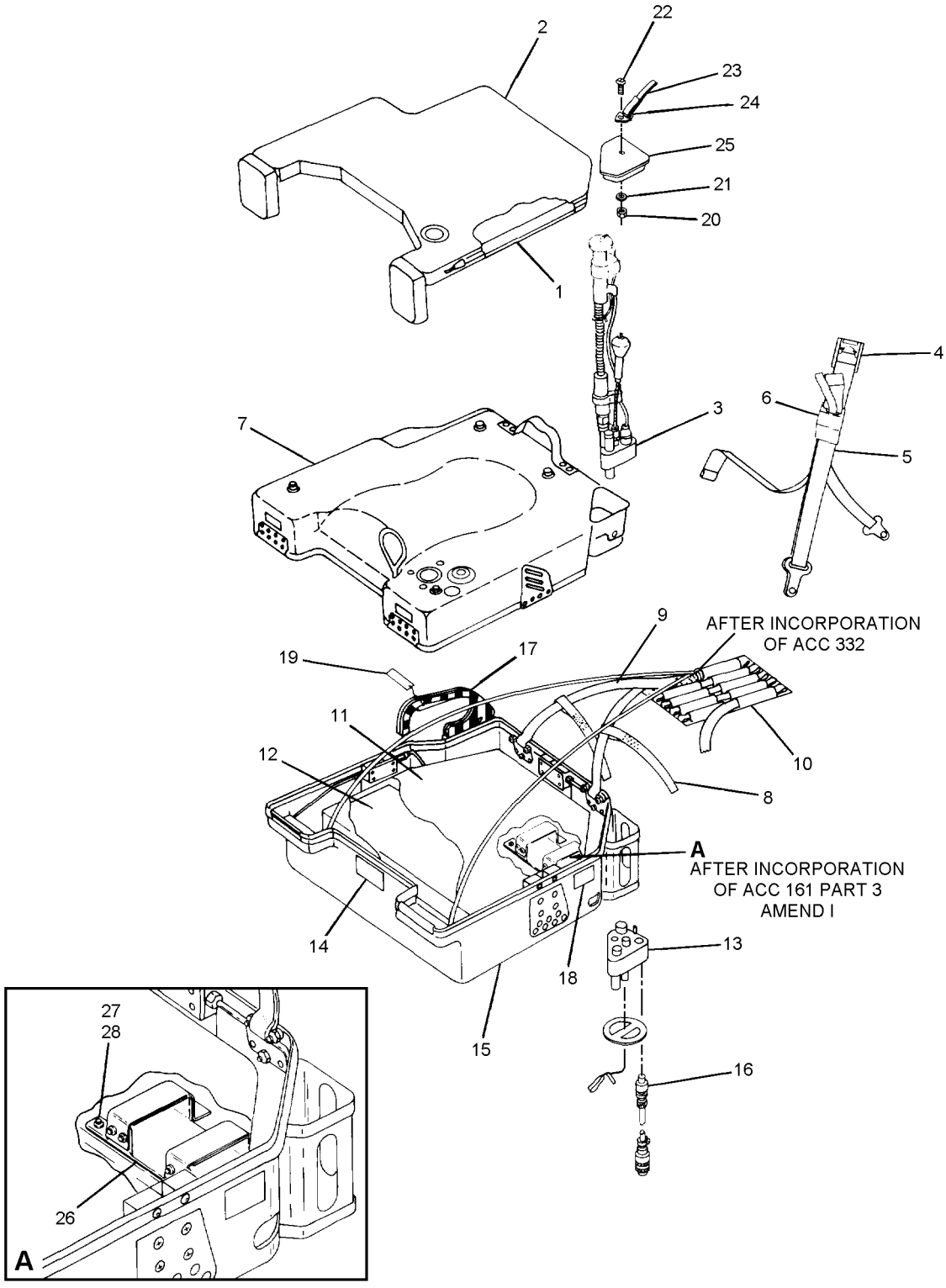


Figure 7-24. Rigid Seat Survival Kit-1A (Rocket Jet)

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-24	741000	SURVIVAL KIT ASSEMBLY	Ref	A
	741000-1	SURVIVAL KIT ASSEMBLY	Ref	B
	741300	. CUSHION ASSEMBLY	1	
-1	741303	. . CUSHION AND FORMER	1	
-2	741304	. . COVER	1	
-3	242200-13	. BLOCK ASSEMBLY, Upper (See figure 7-27 for BKDN)	1	
-4	015-11365-1	. RELEASE ASSEMBLY, Lapbelt (99449) (Note 1)	2	
-5	67A73E6-11	. STRAP ASSEMBLY, Left hand	1	
	64A73E6-12	. STRAP ASSEMBLY, Right hand	1	
-6	1195AS114-1	. . ADJUSTER, Restraint harness (Note 3)	2	
	184C100-1	. . ADJUSTER, Restraint harness (30941) (Interchangeable with 1195AS114-1 in pairs only)	2	
-7	741200	. UPPER CONTAINER ASSEMBLY (See figure 7-26 for BKDN)	1	A
	741200-1	. UPPER CONTAINER ASSEMBLY (See figure 7-26 for BKDN)	1	B
-8	741131	. LANYARD, Equipment container	2	
-9	36H1323-31	. DROPLINE ASSEMBLY (80206)	1	
	741490	. DROPLINE ASSEMBLY (31441)	1	
-10	LOCAL MFG	. BOOT ASSEMBLY (See figure 7-23)	1	
-11	36D1321	. COVER, Raft (80206)	1	
	741600	. COVER, Raft (31441)	1	
-12	68A77D4-1	. CONTAINER, Equipment (80206)	1	
	741500	. CONTAINER, Equipment (31441)	1	
-13	242400-7	. BLOCK ASSEMBLY, Lower (See figure 7-28 for BKDN)	1	
-14	7099000	. NAMEPLATE	1	
-15	741100	. LOWER CONTAINER ASSEMBLY (See figure 7-25 for BKDN)	1	
-16	741240	. CABLE ASSEMBLY, Electrical	1	
-17	741216	. HANDLE ASSEMBLY (See figure 7-25 for BKDN)	1	
-18	99133	. DECAL	3	
-19	741128	. TAG, Warning	1	
	741220	. COVER ASSEMBLY, Dust	1	
-20	MS20365-832	. NUT	1	
-21	AN960C8L	. WASHER	1	
-22	AN525-832-8	. SCREW, Washer	1	

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-24	741223	. STRAP, Dust Cover (Sewn)	1	
-23	COML	. . WEBBING (MIL-W-4088D), Sage Green, No. 531	AR	
-24	741222	. . BRACKET	1	
-25	741221	. COVER, Dust	1	
-26	CL204D2-1	. BRACKET ASSEMBLY, Radio (KF) beacon (Note 2) (ATTACHING PARTS)	1	
-27	MS20470A4-7	. RIVET (KF)	4	
-28	AN960PD-4	. WASHER (KF)	4	
		---*---		
	V66-1ACC-161	. PARTS KIT (F)	1	
	Notes: 1. When replacing lapbelt assembly, apply sealing, locking, and retaining compound, MIL-S-22473, to shoulder screws. 2. After incorporation of ACC 161, Part III, Amend. 1 3. After incorporation of ACC 472.			

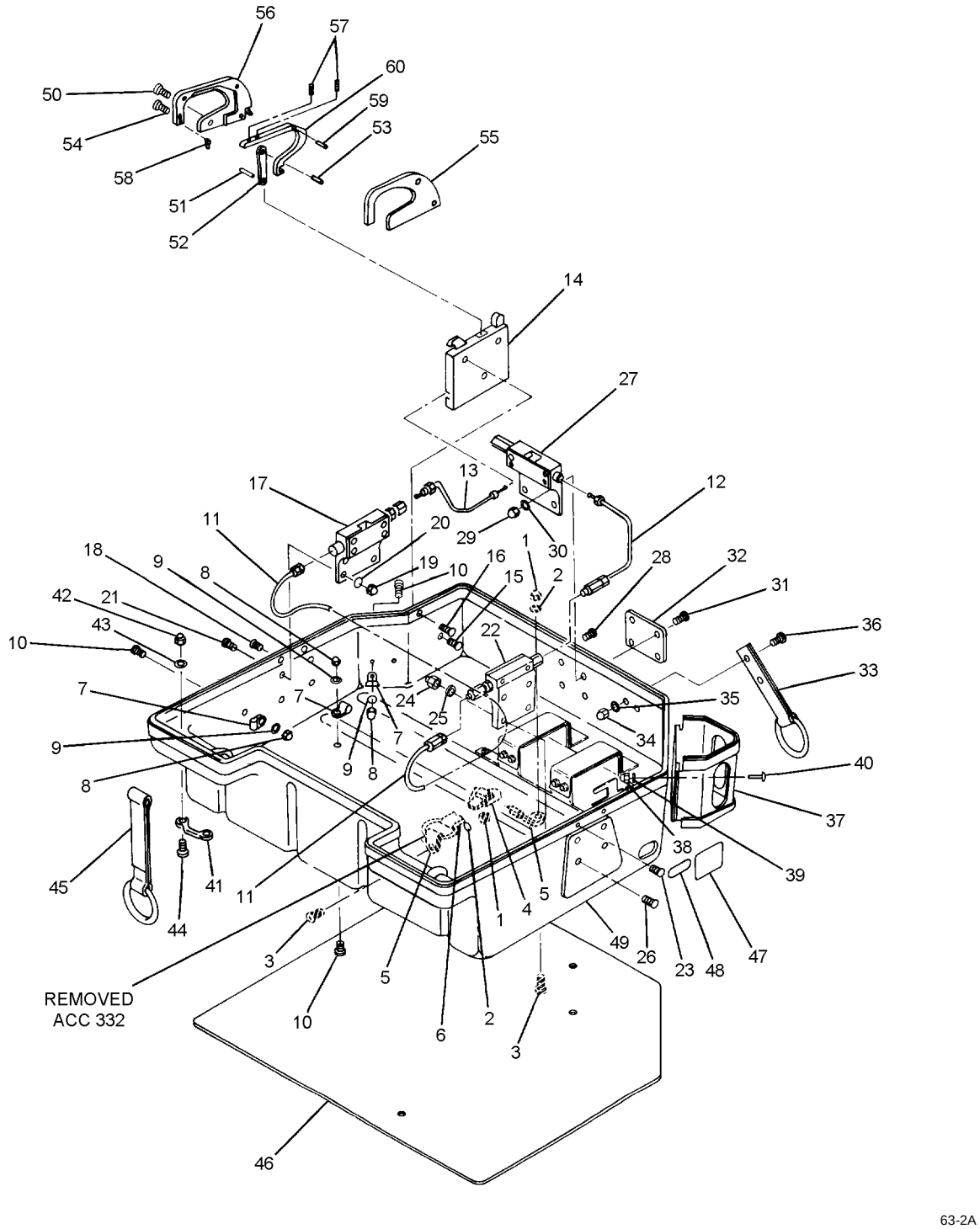


Figure 7-25. Lower Container Assembly and Handle Assembly (Rocket Jet)

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-25	741100	LOWER CONTAINER ASSEMBLY ..... (See figure 7-24 for NHA)	REF	
	741130	. STRAP ASSEMBLY, Tie down (Note 1) ..... (ATTACHING PARTS)	2	
-1	22K2-62	. NUT (72962) (Note 1)	2	
-2	AN960C6L	. WASHER (Note 1)	2	
-3	COML	. SCREW, Button, socket head ..... (6-32NC-3A x 0.38 inch long) (Note 1) ---*---	2	
-4	10075	. . BUCKLE (00851)	1	
-5	1954-5/8	. . CLIP AND D-RING (76786)	2	
-6	MIL-T-8363	. . WEBBING (Type IV), Sage Green ..... Number 1511	AR	
-7	MS25281-R2	. CLAMP ..... (ATTACHING PARTS)	7	
-8	22K2-62	. NUT (72962)	7	
-9	AN960C6L	. WASHER	7	
-10	COML	. SCREW, Button, socket head ..... (6-32NC-3A x 0.50 inch long) ---*---	7	
-11	741112	. CABLE ASSEMBLY ..... (See figure 7-31 for BKDN)	1	
-12	741113	. CABLE ASSEMBLY ..... (See figure 7-31 for BKDN)	1	
-13	741114	. CABLE ASSEMBLY ..... (See figure 7-31 for BKDN)	1	
-14	365705	. RELEASE ASSEMBLY, Cable ..... (See figure 7-32 for BKDN) (ATTACHING PARTS)	1	
-15	COML	. SCREW, Button, socket head ..... (10-32NF-3A x 0.37 inch long)	1	
-16	COML	. SCREW, Button, socket head ..... (10-32NF-3A x 0.50 inch long) ---*---	2	
-17	741108	. LOCK ASSEMBLY, Lid, right hand ..... (See figure 7-33 for BKDN) (ATTACHING PARTS)	1	
-18	COML	. SCREW, Button, socket head ..... (10-32NF-3A x 0.50 inch long)	2	
-19	22K2-02	. NUT (72962)	4	
-20	AN960PD10L	. WASHER	4	
-21	AN510C10R8	. SCREW ..... ---*---	4	

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-25-22	741109	. LOCK ASSEMBLY, Lid, left hand ..... (See figure 7-33 for BKDN) (ATTACHING PARTS)	1	
-23	COML	. SCREW, Button, socket head ..... (10-32NF-3A x 0.50 inch long)	2	
-24	22K2-02	. NUT (72962)	4	
-25	AN960PD10L	. WASHER	4	
-26	AN510C10R8	. SCREW ..... ---*---	4	
-27	741110	. LOCK ASSEMBLY, Lid, aft ..... (See figure 7-33 for BKDN) (ATTACHING PARTS)	1	
-28	COML	. SCREW, Button, socket head ..... (10-32NF-3A x 0.50 inch long)	2	
-29	22K2-02	. NUT (72962)	4	
-30	AN960PD10L	. WASHER	4	
-31	AN510C10R8	. SCREW ..... ---*---	4	
-32	741105	. REINFORCEMENT, Aft lid lock	1	
-33	634498	. STRAP ASSEMBLY, Rear ..... (ATTACHING PARTS)	2	
-34	22K2-82	. NUT	1	
-35	AN960C8L	. WASHER	2	
-36	COML	. SCREW, Button, socket head ..... (10-32NF-3A x 0.50 inch long) ---*---	1	
-37	741115	. GUIDE ASSEMBLY, Lower ..... (ATTACHING PARTS)	1	
-38	22K2-82	. NUT (72962)	6	
-39	AN960C8L	. WASHER	6	
-40	COML	. SCREW, Button, socket head ..... (8-32NC-3A x 0.50 inch long) ---*---	6	
-41	365700-1	. BRACKET ..... (ATTACHING PARTS)	4	
-42	22K2-62	. NUT (72962)	2	
-43	AN960C6L	. WASHER	2	
-44	COML	. SCREW, Button, socket head ..... (6-32NC-3A x 0.50 inch long) ---*---	2	
-45	634497	. STRAP ASSEMBLY, Forward	2	
-46	741121	. PAD, Skid	1	
-47	283472	. DECAL, Visual lock	3	
-48	99112	. DECAL, Manual lid unlock	3	

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-25-49	741101	. CONTAINER	1	
	741216	HANDLE ASSEMBLY (Note 2)	1	
	7110015	HANDLE ASSEMBLY	1	
-50	RJS200-632-562	. SCREW, Hex socket, flat head (Apply sealing compound, grade E) (Note 3)	1	
	255455-5	. LINK ASSEMBLY	1	
-51	255464-1	. PIN (Apply Molykote No. X106)	1	
-52	255456	. LINK (Apply Molykote No. X106)	1	
-53	255418	. BUSHING	1	
-54	MS24667-9	. SCREW	4	
-55	255466-3	. HANDLE HALF, Left hand (Note 4)	1	
-56	255466-1	. HANDLE HALF, Right Hand (Note 5)	1	
-57	741209	. SPRING	2	
-58	741463	. PIN, Anchor	1	
	741217	. TRIGGER ASSEMBLY	1	
-59	99002-7	. . PIN	1	
-60	741218	. . TRIGGER	1	

Notes:
1. Removed by ASC #332
2. Completely interchangeable with 7110015
3. Completely interchangeable with 7110016
4. Completely interchangeable with 7110017-1
5. Completely interchangeable with 7110017-2.

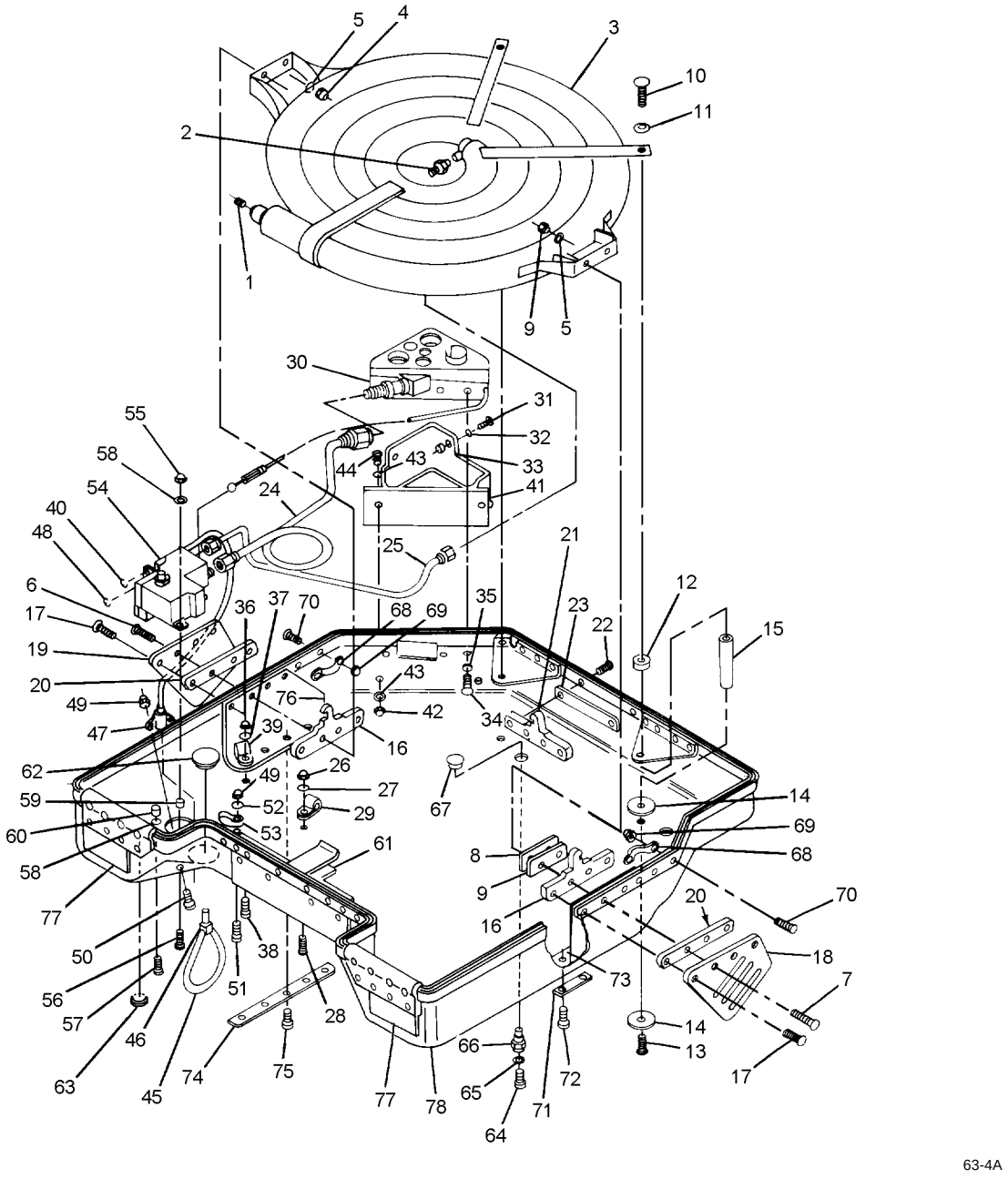


Figure 7-26. Upper Container Assembly (Rocket Jet)

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-26	741200	UPPER CONTAINER ASSEMBLY ..... (See figure 7-24 for NHA)	REF	A
	741200-1	UPPER CONTAINER ASSEMBLY ..... (See figure 7-24 for NHA)	REF	B
-1	AN932-S2	. PLUG	1	
-2	AN816-3J	. NIPPLE	1	
-3	741250	. CYLINDER, Oxygen ..... (ATTACHING PARTS)	1	
-4	22K2-02	. NUT (72962)	4	
-5	AN960C10	. WASHER	4	
-6	MS51960-71	. SCREW	2	
-7	MS51960-70	. SCREW	2	
-8	741255-1	. SHIM	AR	
-9	741255-2	. SHIM	AR	
-10	COML	. SCREW, Button, socket head ..... (0.250-28UNF-2A x 0.50)	2	
-11	AN960C416L	. WASHER	AR	
-12	741239	. SPACER	2	
-13	COML	. SCREW, Button, socket head ..... (0.250-28UNF x 0.625)	2	
-14	AN970-4	. WASHER	4	
-15	741256	. SPACER ..... ---*---	2	
-16	741365	. HOOK, Lid lock	2	
-17	MS51960-68	. SCREW	4	
-18	255706	. PLATE, Right hand	1	
-19	255705	. PLATE, Left hand	1	
-20	23204	. SPACER	2	
-21	741365	. HOOK, Lid lock ..... (ATTACHING PARTS)	1	
-22	COML	. SCREW, Button, socket head ..... (10-32UNF-3A x 0.625) (Apply sealing compound, grade C)	2	
-23	741213	. PLATE ..... ---*---	1	
-24	741280	. TUBE ASSEMBLY	1	
-25	741270	. TUBE ASSEMBLY ..... (ATTACHING PARTS)	1	
-26	22K2-62	. NUT (72962)	1	
-27	AN960C6L	. WASHER	1	
-28	COML	. SCREW, Button, socket head ..... (6-32NC-3A x 0.50)	1	
-29	MS25281-R3	. CLAMP ..... ---*---	1	

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-26-30	741290	. BLOCK ASSEMBLY, Intermediate ..... (See figure 7-29 for BKDN)	1	A
	741290-1	. BLOCK ASSEMBLY, Intermediate ..... (See figure 7-29 for BKDN) (ATTACHING PARTS)	1	B
-31	COML	. SCREW, Button, socket head ..... (8-32NC-3A x 0.375)	2	
-32	AN960C8L	. WASHER	2	
-33	255212-1	. SPACER	2	
-34	COML	. SCREW, Button, Socket Head ..... (10-32UNF-3A x 0.50)	3	
-35	AN960PD10L	. WASHER	3	
-36	22K2-62	. NUT (72962)	1	
-37	AN960C6L	. WASHER	1	
-38	COML	. SCREW, Button, socket head ..... (6-32NC-3A x 0.50)	1	
-39	MS25281-R2	. CLAMP	1	
-40	5144-18	. E-RING (79136) ..... ---*---	1	
-41	242137	. GUIDE, Upper ..... (ATTACHING PARTS)	1	
-42	22K2-82	. NUT (72962)	2	
-43	AN960C8L	. WASHER	4	
-44	COML	. SCREW, Button, socket head ..... (8-32NC-3A x 0.4375) ---*---	2	
	283190	. GRIP ASSEMBLY (Green ring)	1	
-45	365693	. . RING, Retaining	1	
-46	283191	. . TERMINAL ASSEMBLY	1	
-47	741265	. CABLE ASSEMBLY, Release ..... (ATTACHING PARTS)	1	
-48	5144-18	. E-RING (79136)	1	
-49	22K2-62	. NUT (72962)	3	
-50	COML	. SCREW, Button, socket head ..... (6-32NC-3A x 0.375)	2	
-51	COML	. SCREW, Button, socket head ..... (6-32NC-3A x 0.50)	1	
-52	AN960C6L	. WASHER	1	
-53	MS25281-R2	. CLAMP ..... ---*---	1	
-54	741370	. REDUCER/MANIFOLD ASSEMBLY ..... (See figure 7-30 for BKDN)	1	A

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-26	741370-1	. REDUCER/MANIFOLD ASSEMBLY (See figure 7-30 for BKDN) (ATTACHING PARTS)	1	B
-55	22K2-02	. Nut (72962)	2	
-56	COML	. SCREW, Button, socket head (10-32UNF-3A x 1.250)	2	
-57	COML	. SCREW, Button, socket head (10-32UNF-3A x 0.875)	1	
-58	AN960C10	. WASHER	3	
-59	741211-2	. SPACER	2	
-60	741211-1	. SPACER ---*---	1	
-61	741233	. PAD	1	
-62	308411	. WINDOW, Oxygen gage (Apply bonding agent R-313)	1	
-63	SS-48152	. PLUG	1	
-64	COML	. SCREW, Bind-head slot (3-56NF-2A x 0.3125)	4	
-65	AN960C3L	. WASHER	4	
-66	AN227-68	. STUD	4	
-67	AN227-61	. SNAP	4	
-68	365700-1	. BRACKET (ATTACHING PARTS)	2	
-69	22K2-62	. NUT (72962)	2	
-70	COML	. SCREW, Button, socket head (6-32NC-3A x 0.50) ---*---	2	
-71	741206	. REINFORCEMENT, Right hand (ATTACHING PARTS)	1	
-72	MS20426-AD4-6	. RIVET ---*---	2	
-73	741204	. BRACKET, Right hand	1	
-74	255206	. PLATE, Reinforcement (ATTACHING PARTS)	1	
-75	MS20426-AD4-6	. RIVET ---*---	5	
-76	741205	. BRACKET, Left hand	1	
-77	V660-2(80-200)	. TAPE, Number 80, pile (Apply Cement, EC-870)	AR	
-78	741201	. LID	1	

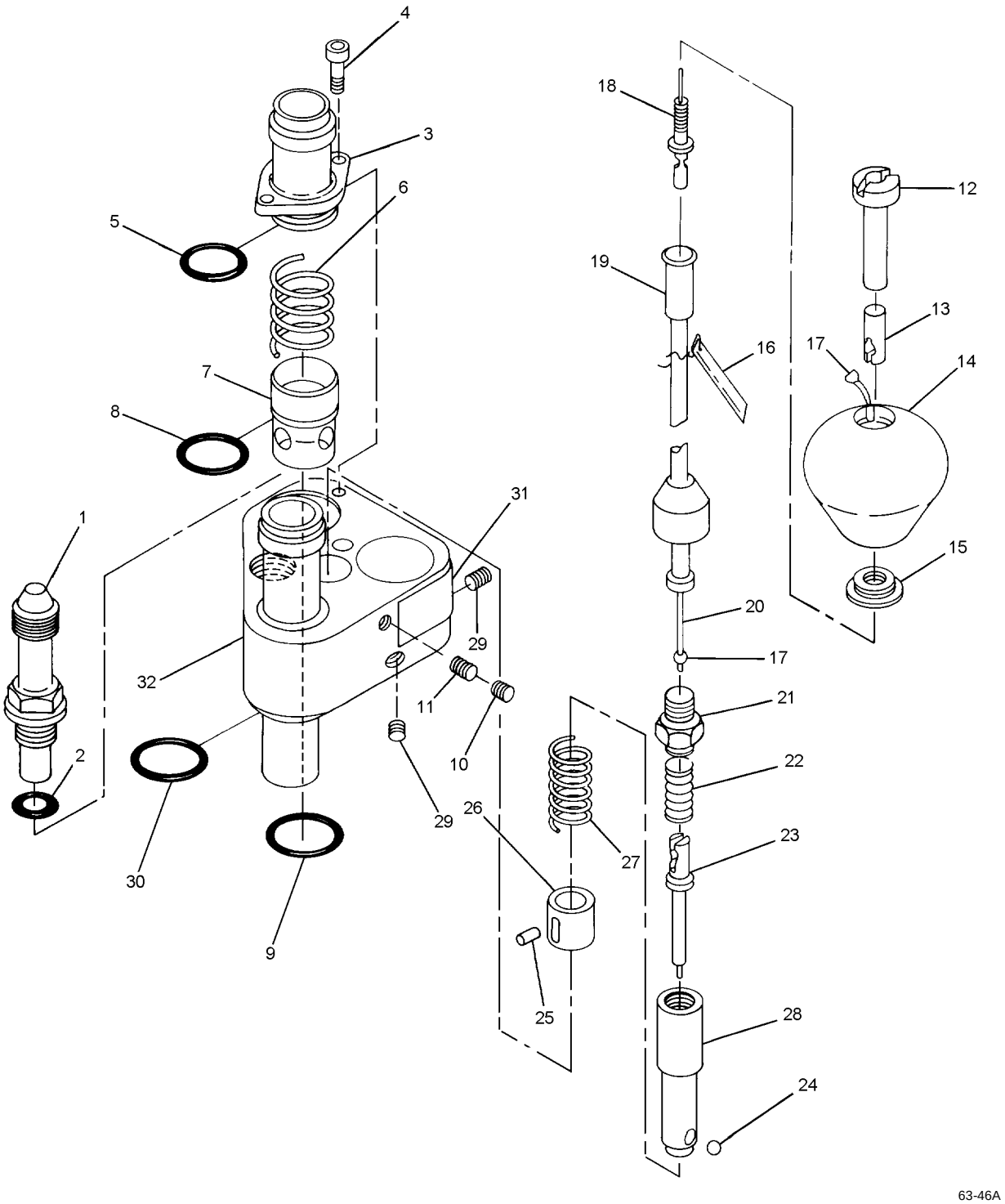


Figure 7-27. Upper Block Assembly (Rocket Jet)

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-27	242200-13	BLOCK ASSEMBLY, Upper (Parts kit available) .... (See figure 7-24 for NHA)	REF	
-1	242107-1	. FITTING, Hose, oxygen	1	
-2	99136-53-3	. PACKING, Preformed	1	
-3	242106	. FITTING, Vent hose ..... (ATTACHING PARTS)	1	
-4	RJS100-400-312	. SCREW, Cap ..... (Apply sealing compound, grade E) ---*---	2	
-5	99136-15-4	. PACKING, Preformed	1	
-6	242112	. SPRING, Compression	1	
-7	242415-3	. VALVE, Check	1	
-8	99136-15-4	. PACKING, Preformed	1	
-9	99136-17-13	. PACKING, Preformed	1	
-10	MS51025-27	. SETSCREW	1	
-11	24484-1	. SETSCREW (Apply glyptal No. 1201)	1	
	729000	. LANYARD ASSEMBLY, Manual lock release indicator	1	
-12	729003	. . RETAINER ..... (Apply sealing compound, grade E)	1	
-13	729004	. . PLUNGER, Indicator	1	
-14	242149	. . KNOB ASSEMBLY	1	
-15	AN227-7	. . SOCKET	1	
	729005	. . CABLE AND HOUSING ASSEMBLY	1	
-16	242414	. . . TAG	1	
-17	99028	. . . BALL	2	
-18	242143-1	. . . SCREW, Hollow	1	
-19	20321-13	. . . DUCT ASSEMBLY ..... (Apply sealing compound, grade E)	1	
-20	RA6238	. . . CABLE (01976)	AR	
	24475-1	. PIN ASSEMBLY, Lock, manual release ..... (Note 1)	1	
	24475-3	. PIN ASSEMBLY, Lock, manual release ..... (Note 1)	1	
	24475-5	. PIN ASSEMBLY, Lock, manual release ..... (Note 1)	1	
	24475-7	. PIN ASSEMBLY, Lock, manual release ..... (Note 1)	1	
-21	242145	. . ADAPTER, Cable	1	
-22	242109	. . SPRING	1	
-23	242132-3	. . PLUNGER	1	
-24	99145-1	. . BALL, Grade 0 (0.140 dia)	3	
-25	MS171430	. . PIN, Spring	2	
-26	242423	. . SLEEVE	1	

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-27-27	242424	. . SPRING	1	
-28	24476	. . HOUSING	1	
-29	AN565E8H3	. SETSCREW	2	
-30	99136-17-13	. PACKING, Preformed	1	
-31	242113	. PLATE, Identification	1	
-32	242202-7	. BLOCK, Upper, Brazed	1	
	741353	PARTS KIT, Upper block assembly (KC)	1	
	Notes: 1. Select one at assembly.			

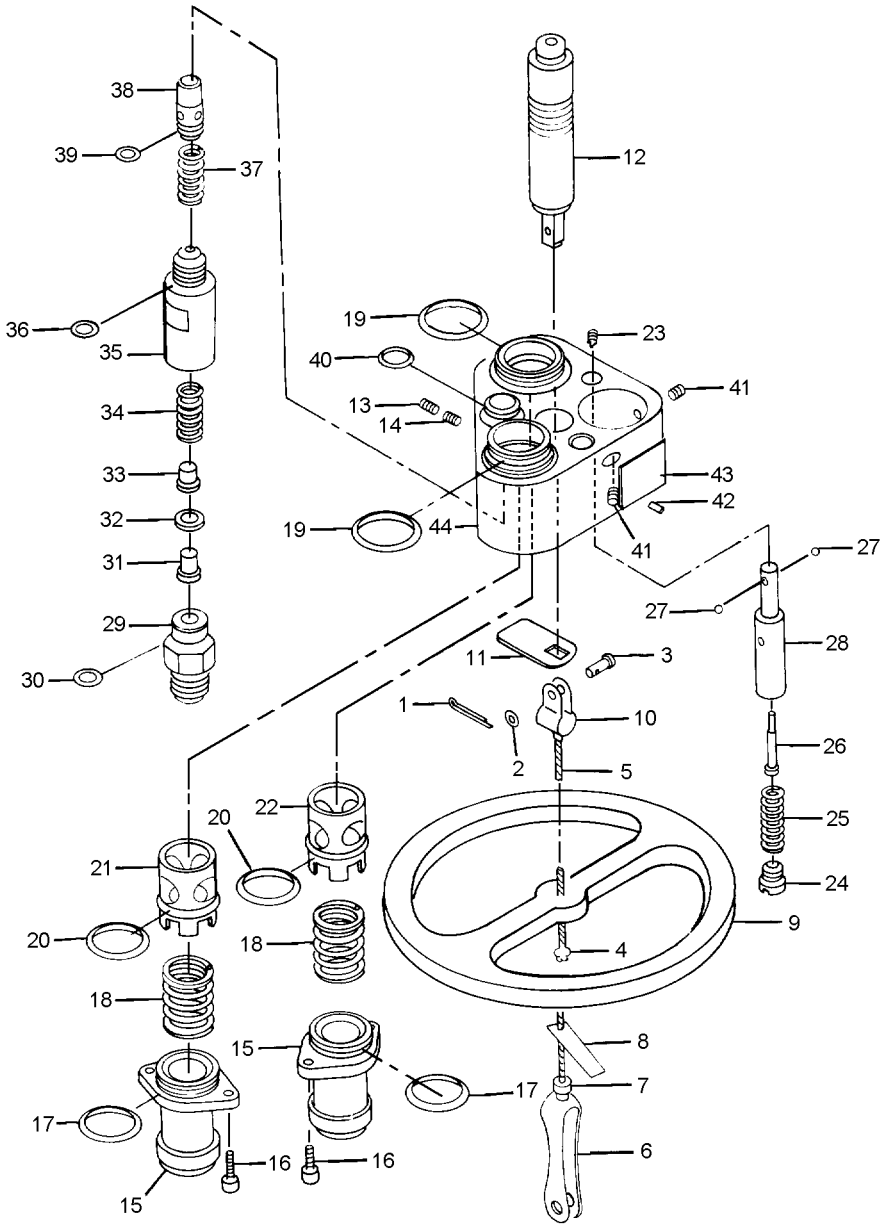


Figure 7-28. Lower Block Assembly (Rocket Jet)

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-28	242400-7	BLOCK ASSEMBLY, Lower (Parts kit available) (See figure 7-17 for NHA)	REF	
	242430	. CABLE ASSEMBLY, Lock Pin (ATTACHING PARTS)	1	
-1	AN381-2-5	. PIN, Cotter	1	
-2	AN960C4L	. WASHER	1	
-3	AN392-9	. PIN ---*---	1	
-4	AN66C2	. . TERMINAL, Shank ball	3	
-5	RA6170-2	. . CABLE (0.62 dia 7 x 7) (93284)	1	
-6	RA-2500-3	. . CLEVIS, Eyelet (93284)	1	
-7	24410-10	. . SLEEVE	1	
-8	242414	. . TAG	1	
-9	741258	. . RING, Unlocking	1	
-10	217801	. . YOKE, Lanyard attachment	1	
-11	24471-1	. TAB, Indicator	1	
-12	24473-1	. PIN ASSEMBLY, Lock (Note 1)	1	
	24473-3	. PIN ASSEMBLY, Lock (Note 1)	1	
	24473-5	. PIN ASSEMBLY, Lock (Note 1)	1	
	24473-7	. PIN ASSEMBLY, Lock (Note 1) (ATTACHING PARTS)	1	
-13	MS51025-27	. SETSCREW	1	
-14	24484-1	. SETSCREW ---*---	1	
-15	242106	. FITTING, Vent Hose (ATTACHING PARTS)	2	
-16	MS35457-7	. SCREW (Apply sealing compound, grade C) ---*---	4	
-17	99136-15-5	. PACKING, Preformed	2	
-18	242112	. SPRING, Compression	2	
-19	99136-17-13	. PACKING, Preformed	2	
-20	99136-15-5	. PACKING, Preformed	2	
-21	242407	. VALVE, Check	1	
-22	242415-3	. VALVE, Check	1	
	242410-3	. PIN ASSEMBLY, Lock, emergency oxygen (ATTACHING PARTS)	1	
-23	MS51041-29	. SETSCREW (Apply sealing compound, grade C) ---*---	1	
-24	242416	. . RETAINER, Spring	1	
-25	242412	. . SPRING	1	
-26	242413-3	. . PLUNGER	1	
-27	216C1-6	. . BALL	2	
-28	242411	. . HOUSING	1	

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-28	242450	. VALVE ASSEMBLY, Check, oxygen	1	
-29	242449	. . FITTING	1	
-30	3-4	. . PACKING, Preformed (45681)	1	
-31	242445	. . POPPET	1	
-32	242443	. . WASHER	1	
-33	242442	. . SLEEVE	1	
-34	242451	. . SPRING	1	
-35	242448	. . BODY	1	
-36	99136-53-6	. PACKING, Preformed	1	
-37	242406	. SPRING	1	
-38	242405	. VALVE, Check	1	
-39	99136-10-5	. PACKING, Preformed	1	
-40	99136-12-13	. PACKING, Preformed	1	
-41	AN565E8-H3	. SETSCREW	2	
-42	MS171436	. PIN, Roll	1	
-43	242114	. PLATE, Identification	1	
-44	242402-5	. BLOCK ASSEMBLY, Lower, Brazed	1	
	741354	PARTS KIT, Lower block assembly (KC)	1	
	Notes: 1. Select one at assembly.			

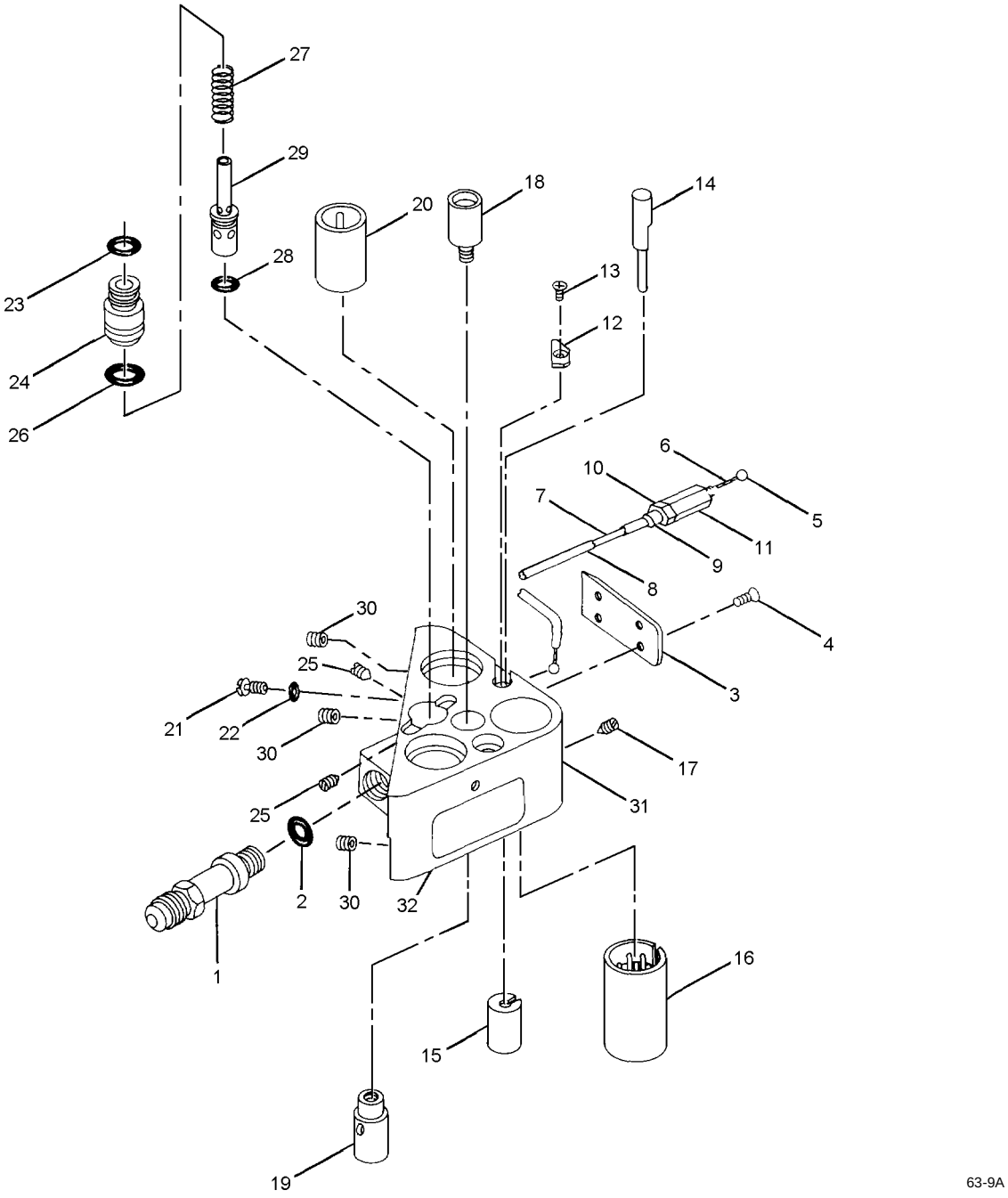


Figure 7-29. Intermediate Block Assembly (Rocket Jet)

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-29	741290	BLOCK ASSEMBLY, Intermediate ..... (Parts kit available) (See figure 7-26 for NHA) (Use only with reducer assembly 741370. See figure 7-30)	REF	A
	741290-1	BLOCK ASSEMBLY, Intermediate ..... (See figure 7-26 for NHA) (Use only with reducer assembly 741370-1. See figure 7-30)	REF	B
-1	242336	. CONNECTOR, Oxygen inlet	1	
-2	99136-53-3	. PACKING, Preformed	1	
-3	242323	. COVER, Conduit ..... (ATTACHING PARTS)	1	
-4	MS35200-3	. SCREW ..... ---*---	4	
	741275	. CABLE ASSEMBLY ..... (Use only with reducer assembly 741370. See figure 7-31)	1	A
	741275-1	. CABLE ASSEMBLY ..... (Use only with reducer assembly 741370-1. See figure 7-31)	1	B
-5	RAL2487-041-125	. . BALL (93284)	2	
-6	RA6170	. . CABLE (0.0410 dia by 7) (93284)	AR	
-7	AMS3655-15	. . SLEEVE, Teflon (93284)	AR	
-8	741275-3	. . CONDUIT	1	
-9	741325	. . NIPPLE, Cable adjusting	1	
-10	C5942-2	. . NUT, Hex head (70318)	1	
-11	741326	. . TERMINAL, Conduit adjusting	1	
-12	242321	. RETAINER ..... (ATTACHING PARTS)	1	
-13	MS35190-210	. SCREW (Apply sealing compound, grade E) ..... ---*---	1	
-14	242320	. PIN, Ball locking	1	
-15	242322-3	. SLEEVE	1	
-16	242380	. RECEPTACLE, Electrical ..... (ATTACHING PARTS)	1	
-17	AN565E8H3	. SCREW ..... ---*---	1	
-18	24485-1	. INSERT, Male ..... (Apply sealing compound, grade D)	1	
-19	24486-1	. INSERT, Female	1	
-20	242302	. SLEEVE, Interlocking ..... (ATTACHING PARTS)	1	
-21	242306	. SCREW, Sleeve retaining ..... ---*---	1	

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-29-22	99136-4-6	. PACKING, Preformed	1	
-23	99136-12-13	. PACKING, Preformed	1	
-24	242305	. PLUG, Interface	1	
		(ATTACHING PARTS)		
-25	MS51034-19	. SCREW	2	
		---*---		
-26	99136-13-4	. PACKING, Preformed	1	
-27	242304	. SPRING	1	
-28	99136-10-4	. PACKING, Preformed	1	
-29	242303	. VALVE, Check, Oxygen	1	
-30	3591-3CN x 0.285	. INSERT, Heli-coil (26344)	3	
-31	242301-7	. HOUSING, Intermediate	1	
-32	741129	. NAMEPLATE	1	A
	74110003	. NAMEPLATE	1	B
	1741355	PARTS KIT, Intermediate block assembly (KC)	1	

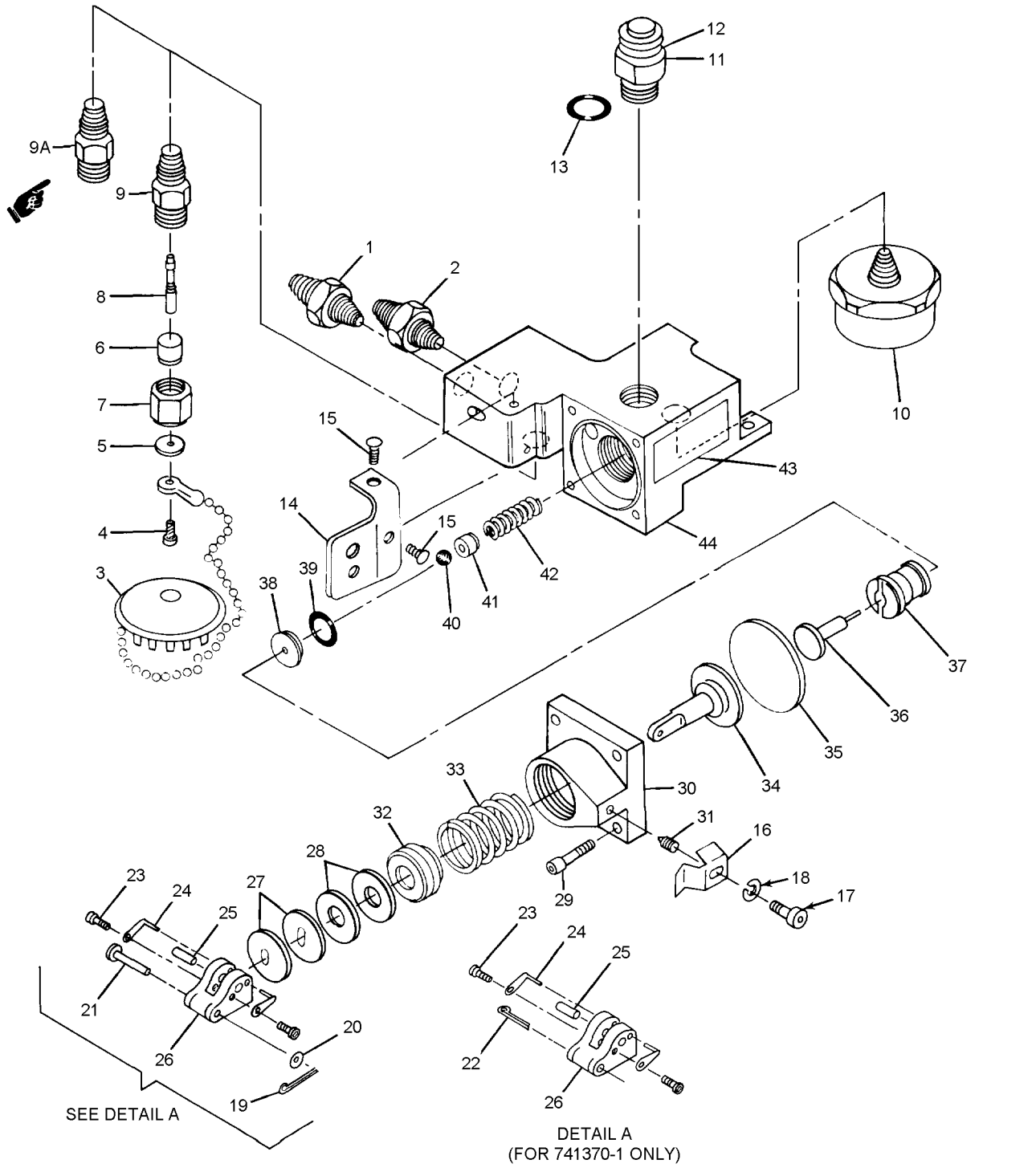


Figure 7-30. Reducer/Manifold Assembly (Rocket Jet)

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-30	741370	REDUCER ASSEMBLY (Parts kit available) ..... (See figure 7-26 for NHA) (Note 1)	REF	A
	741370-1	REDUCER ASSEMBLY (Parts kit available) ..... (See figure 7-26 for NHA) (Note 2)	REF	B
-1	AN816-3D	. NIPPLE, Inlet		1
-2	723118	. NIPPLE, Outlet	1	
	741800	. VALVE ASSEMBLY, Filler ..... (Torque to 75 in-lbs)	1	
-3	365695	. . PLUG ASSEMBLY	1	
-4	AN515C4-4	. . . SCREW	1	
-5	AN960C4L	. . . WASHER	1	
-6	767862	. . . PLUG	1	
-7	767861	. . . CAP	1	
-8	AN809-1	. . CORE, Short stem ..... (Torque 4 to 5 in-lbs) (Note 3)	1	
-9	741811	. . BODY	1	
-9A	9120097-27	. FILL VALVE (Note 4)	1	
-10	TYPE L-2	. GAGE (20846)	1	
-11	283683	. VALVE ASSEMBLY, Relief	1	
-12	283688	. . DECAL	1	
-13	99136-53-11	. PACKING ..... (Use until exhausted then use 99136-53-15)	1	A
	99136-53-15	. PACKING (Replaces 99136-53-11)	1	B
-14	741373	. BRACKET ASSEMBLY, Cable ..... (ATTACHING PARTS)	1	
-15	COML	. CAPSCREW, Button head ..... (6-32NC-3A x 0.31 inch long) ---*---	2	
-16	741375	. BRACKET, Cam stop ..... (ATTACHING PARTS)	1	
-17	MS16995-16	. SCREW, Socket head	1	
-18	MS35333-71	. WASHER, Lock	1	
-19	MS24665-148	. PIN COTTER	1	A
-20	767105	. WASHER	1	A
-21	MS20392-1C17	. PIN	1	A
-22	MS24665-153	. PIN, Cotter	1	B
-23	COML	. SCREW, Button head ..... (2-56NC-2A x 0.12 inch long) (Apply loctite sealant, grade A, or equivalent)	2	
-24	767103	. SPRING ASSEMBLY, Detent	2	
-25	767900	. PIN	1	
-26	767100-1	. TOGGLE ARM	1	A
	767100-2	. TOGGLE ARM	1	B
-27	767901-11	. SPACER	AR	

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-30-28	767901-1, 2,3,4,5,6	. SPACER	AR	
-29	MS24677-8	. CAPSCREW, Socket head (Lockwire 0.032)	4	
-30	767400	. FLANGE	1	
-31	CS-10	. SETSCREW, Socket head (12132)	1	
-32	723112	. RETAINER	1	
-33	741374	. SPRING	1	
-34	767902-1	. PISTON	1	A
	767902-2	. PISTON	1	B
-35	723109	. DIAPHRAGM (Use until exhausted then use 723134)	1	
	723134	. DIAPHRAGM (Replaces 723109)	1	
-36	723106	. PLUNGER	1	
-37	723107	. RETAINER	1	
-38	723104	. SEAT	1	
-39	99136-12-11	. PACKING (Use until exhausted, then use 99136-12-15)	1	A
	99136-12-15	. PACKING (Replaces 99136-12-11)	1	B
-40	MS134352	. BALL	1	
-41	723103	. RETAINER	1	
-42	C240-026-0620S	. SPRING (92830)	1	
-43	99050-2	. NAMEPLATE	1	
-44	741371	. HOUSING	1	
	741356	PARTS KIT, Reducer assembly (KC)	1	

Notes:
1. Use with intermediate block assembly P/N 741290 and cable assembly P/N 741275 only (figure 7-29).
2. Use with intermediate block assembly P/N 741290-1 and cable assembly P/N 741275-1 only (figure 7-29).
3. Use valve core tool P/N 2688 (27783) (NIIN 00-541-4687) for removal of valve core.
4. Fill Valve can be used as an alternate to replace Valve Core P/N AN809-1 and Body P/N 741811.

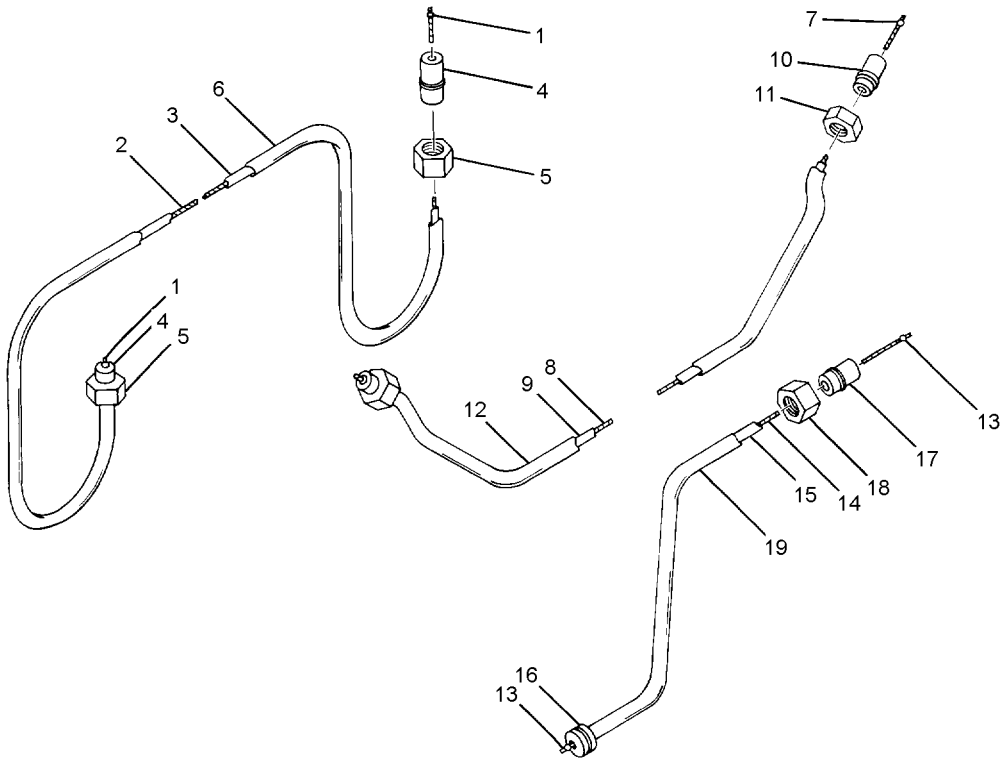


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Figure 7-31. Left-Hand, Center and Right-Hand Cable Assemblies (Rocket Jet)

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-31	741112	. CABLE ASSEMBLY, LH, lid lock to RH lid lock (See figure 7-25 for NHA)	REF	
-1	RAL2487-041--0.125	. BALL, Terminal (93284)	2	
-2	RA6170	. CABLE, Wire, CRES (0.041 dia x 7 x 7) (93284)	AR	
-3	AMS3655-15	. SLEEVING, Teflon (AWG No. 15 x 0.12 wall) (93284)	AR	
-4	214001	. COUPLING, Conduit	2	
-5	142002	. NUT, Coupling	2	
-6	741112-1	. CONDUIT	1	
	741113	CABLE ASSEMBLY, LH, lid lock to aft lock (See figure 7-25 for NHA)	REF	
-7	RAL2487-041-0.125	. BALL, Terminal (93284)	2	
-8	RA6170	. CABLE, Wire, CRES (0.041 dia x 7 x 7) (93284)	AR	
-9	AMS3655-15	. SLEEVING, Teflon (AWG No. 15 x 0.12 wall) (93284)	AR	
-10	214001	. COUPLING, Conduit	2	
-11	142002	. NUT, Coupling	2	
-12	741113-1	. CONDUIT	1	
	741114	CABLE ASSEMBLY, Actuator to RH lid lock (See figure 7-26 for NHA)	REF	
-13	RAL2487-041-0.125	. BALL, Terminal (93284)	2	
-14	RA6170	. CABLE, Wire, CRES (0.041 dia x 7 x 7) (93284)	AR	
-15	AMS2655-15	. SLEEVING, Teflon (AWG No. 15 x 0.12 wall) (93284)	AR	
-16	214006	. COUPLING, Conduit	1	
-17	214001	. COUPLING, Conduit	1	
-18	142002	. NUT, Coupling	1	
-19	741114-1	. CONDUIT	1	

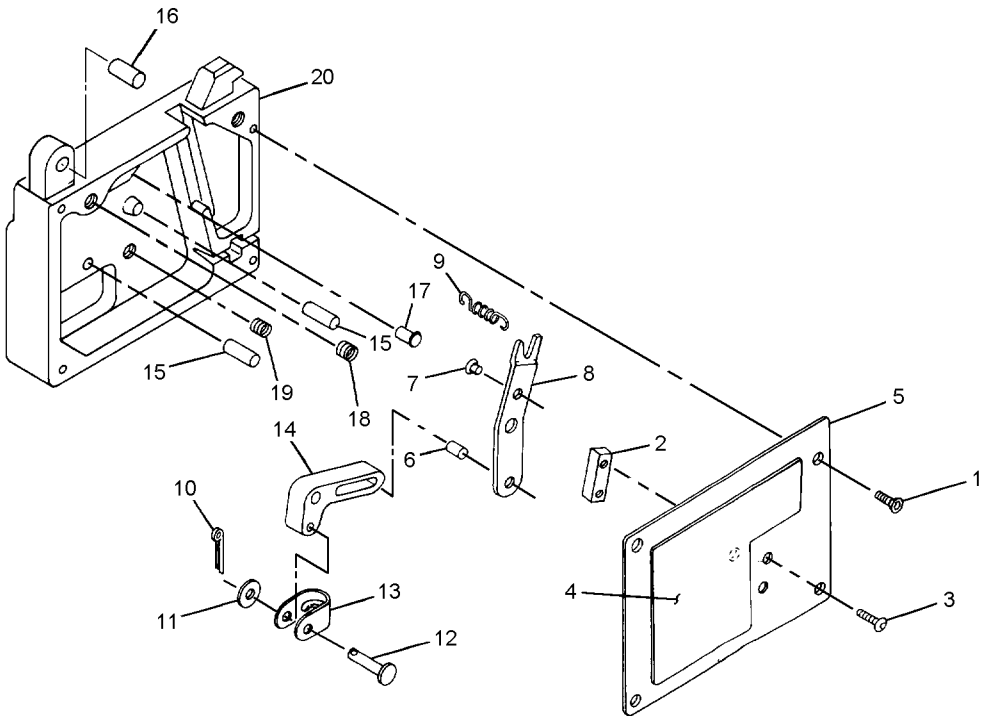


Figure 7-32. Cable Release Assembly (Rocket Jet)

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-32	365705	RELEASE ASSEMBLY, Cable ..... (See figure 7-25 for NHA)	REF	
	365736	. COVER ASSEMBLY	1	
-1	COML	. SCREW, Cap, hex, soc, fl-hd ..... (440NC-2 x 0.25 in. lg) (AP)	4	
-2	365735	. . LUG, Lever stop	1	
-3	COML	. . SCREW, Button, soc-hd ..... (4-40NC-3A x 0.375 in. lg) (AP)	2	
-4	365734	. . DECAL, Release cover	1	
-5	365709	. . COVER, Release cable	1	
	365712	. LEVER ASSEMBLY, Actuating	1	
-6	99002-10	. . PIN (Press fit)	1	
-7	MS20613-4C4	. . RIVET (Press fit)	1	
-8	365706	. . LEVER	1	
-9	365714	. SPRING	1	
	365713	. LINK ASSEMBLY, Release	1	
-10	MS24665-151	. . PIN, Cotter	1	
-11	AN960C4L	. . WASHER	1	
-12	AN121603	. . PIN, Fl-hd	1	
-13	365707	. . LINK, Connecting	1	
-14	365708	. . LINK, Intermediate	1	
	365733	. HOUSING ASSEMBLY	1	
-15	99007-4	. . PIN (Press fit)	2	
-16	99004-1	. . PIN (Press fit)	1	
-17	MS20613-4C4	. . RIVET (Press fit)	1	
-18	3591-3CN X 0380	. . INSERT (26344)	2	
-19	3591-3CN X 1090	. . INSERT (26344)	1	
-20	365704	. . HOUSING, Machined	1	

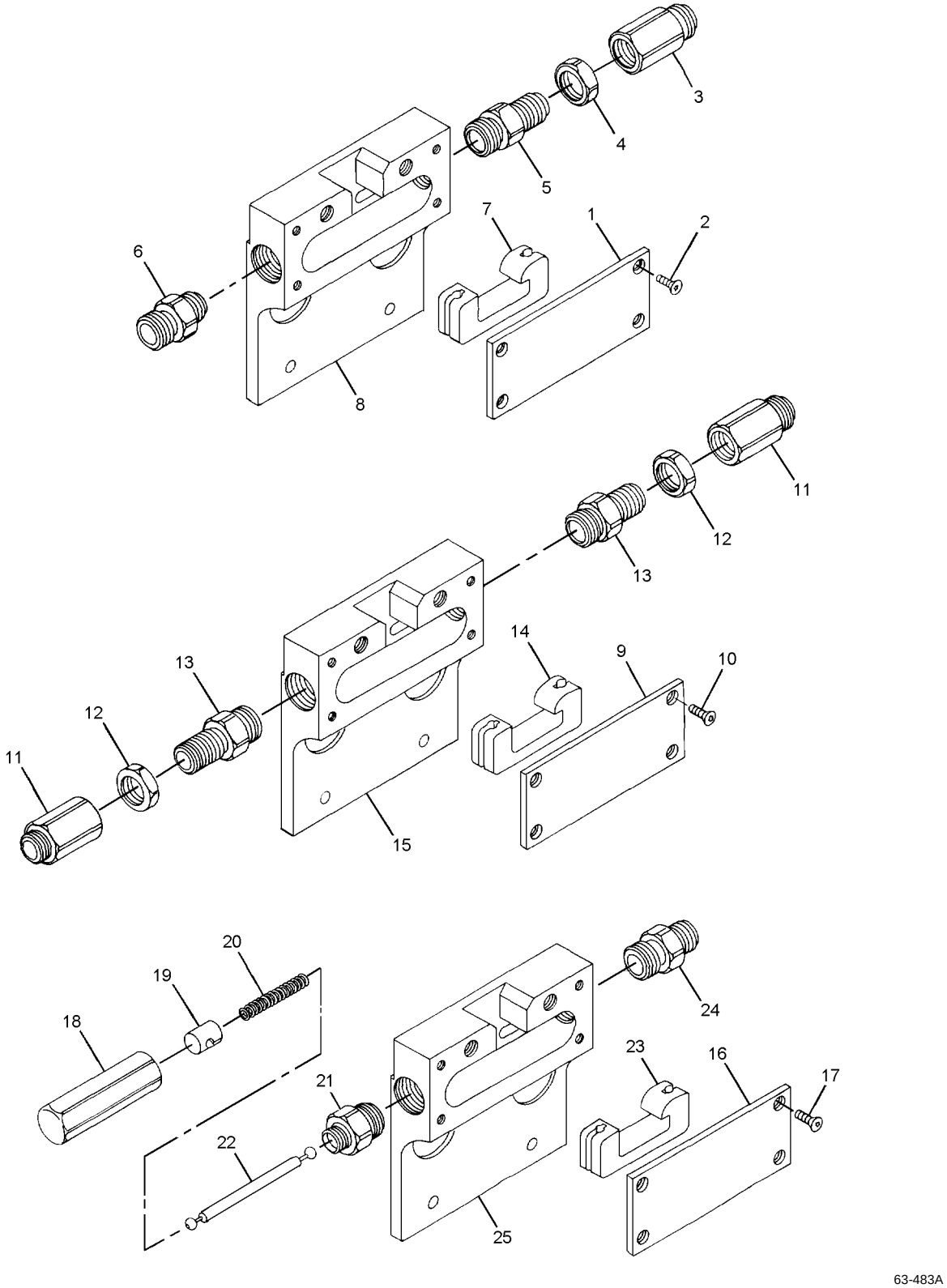
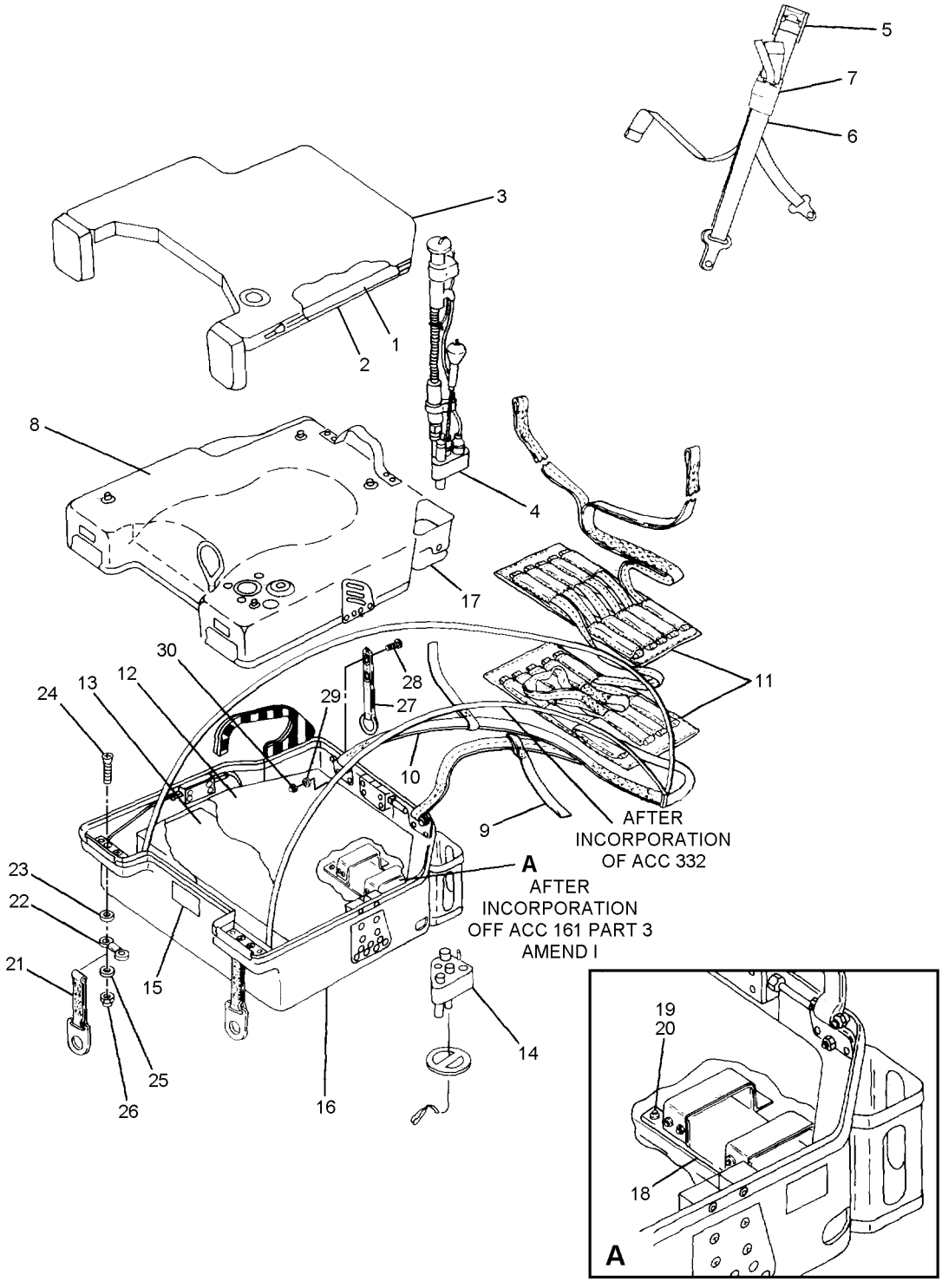


Figure 7-33. Lid Lock Assemblies (Rocket Jet)

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-33	741108	LOCK ASSEMBLY, Lid, RH ..... (See figure 7-25 for NHA)	REF	
-1	741364	. PLATE, Cover	1	
-2	99071	. SCREW, Hex, soc, fl-hd (02615) (AP)	4	
-3	142006-2	. NUT, Adjusting, cable assembly	1	
-4	142012	. NUT, Lock, cable adjusting	1	
-5	142001-7	. NIPPLE, Cable assembly	1	
-6	142001-1	. NIPPLE	1	
-7	741363	. SLIDE, Lid lock	1	
-8	741361-1	. HOUSING	1	
	741109	LOCK ASSEMBLY, Lid, LH ..... (See figure 7-25 for NHA)	REF	
-9	741364	. PLATE, Cover	1	
-10	99071	. SCREW, Hex, soc, fl-hd (02615) (AP)	4	
-11	142006-2	. NUT, Adjusting, cable assembly	2	
-12	142012	. NUT, Lock cable adjusting	2	
-13	142001-7	. NIPPLE, Cable assembly	2	
-14	741363	. SLIDE, Lid lock	1	
-15	741361-1	. HOUSING	1	
	741110	LOCK ASSEMBLY, Lid, aft ..... (See figure 7-25 for NHA)	REF	
-16	741364	. PLATE, Cover	1	
-17	99071	. SCREW, Hex, soc, fl-hd (02615) (AP)	4	
-18	299304	. GUIDE, Piston	1	
-19	299305	. PISTON	1	
-20	119016	. SPRING	1	
-21	799303	. NIPPLE	1	
-22	299306	. CABLE ASSEMBLY	1	
-23	741363	. SLIDE, Lid lock	1	
-24	142001-1	. NIPPLE, Cable assembly	1	
-25	741361-1	. HOUSING, Lid lock	1	

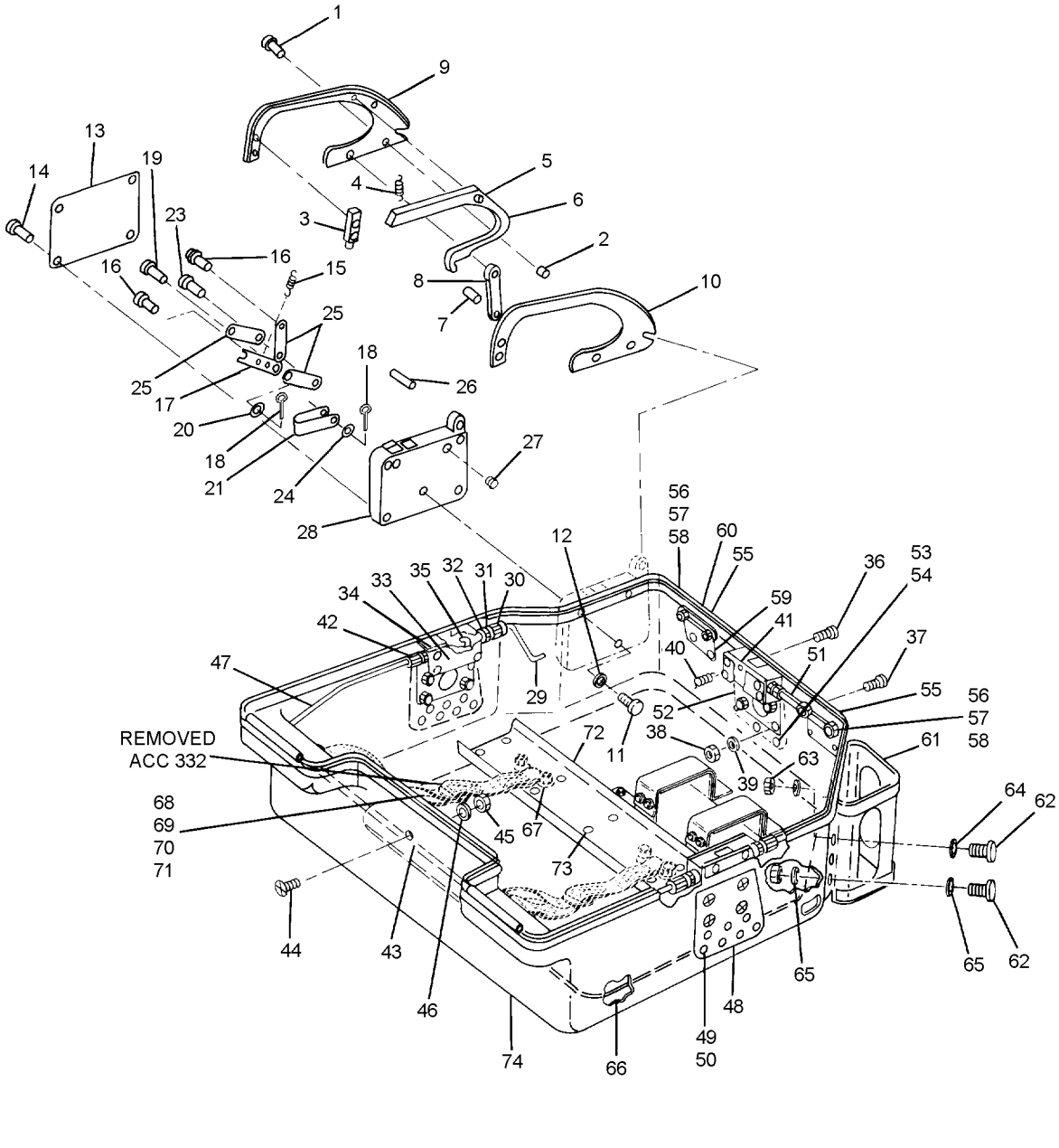


63-52A

Figure 7-34. Rigid Seat Survival Kit -1A (Scott)

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-34	21000-11	SURVIVAL KIT ASSEMBLY	REF	
	28758	. CUSHION ASSEMBLY	1	
-1	10000458	. . CUSHION	1	
-2	10000457	. . FORMER	1	
-3	800239-00	. . COVER	1	
-4	21133-7	. BLOCK ASSEMBLY, Upper (See figure 7-37 for BKDN)	1	
	183D100-1	. BLOCK ASSEMBLY, Upper (30941) (See figure 7-37 for BKDN) (Interchangeable with 21133-7)	1	
-5	015-11365-1	. RELEASE ASSEMBLY, Lapbelt (99449) (Note 1)	2	
-6	67A73E6-11	. STRAP ASSEMBLY, Left hand	1	
	64A73E6-12	. STRAP ASSEMBLY, Right hand	1	
-7	1195AS114-1	. . ADJUSTER, Restraint harness (After ACC 472)	2	
	184C100-1	. . ADJUSTER, Restraint harness (30941) (Interchangeable with 1195AS114-1 in pairs only)	2	
-8	800236-00	. UPPER CONTAINER ASSEMBLY (See figure 7-36 for BKDN)	1	
-9	800500-00	. LANYARD, Equipment container	2	
-10	36H1323-31	. LANYARD ASSEMBLY (80206)	1	
	4178-01	. LANYARD ASSEMBLY (92114)	1	
-11	LOCAL MFR	. BOOT ASSEMBLY (figure 7-23)	2	
-12	36D1321	. COVER, Raft (80206)	1	
	800246-00	. COVER, Raft (92114)	1	
-13	68A77D4-1	. CONTAINER, Equipment (80206)	1	
	800247-00	. CONTAINER, Equipment (92114)	1	
-14	21007-5	. BLOCK ASSEMBLY, Lower (See figure 7-38 for BKDN)	1	
	183D200-1	. BLOCK ASSEMBLY, Lower (30941) (See figure 7-38 for BKDN) (Interchangeable with 21007-5)	1	
-15	10000545	. NAMEPLATE	1	
-16	21466-5	. LOWER CONTAINER ASSEMBLY (See figure 7-35 for BKDN)	1	
-17	21006-9	. BLOCK ASSEMBLY, Intermediate (See figure 7-39 for BKDN)	1	

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-34-18	CL204D2-1	. BRACKET ASSEMBLY, Radio beacon (KF) ..... (Note 2)	1	
		(ATTACHING PARTS)		
-19	MS20470A4-7	. RIVET (KF)	4	
-20	AN960PD-4	. WASHER (KF)	4	
		---*---		
-21	67A73D7-3	. STRAP, Forward retaining (80206)	2	
	58867-01	. STRAP, Forward retaining (92114)	2	
		(ATTACHING PARTS)		
-22	55457	. FOOTMAN BRACKET	2	
-23	55422	. SPACER, Footman bracket	4	
-24	MS24693-S30	. SCREW	4	
-25	AN960-6L	. WASHER	4	
-26	19474	. NUT	4	
		---*---		
-27	67A73D7-4	. STRAP, Rear retaining (80206)	2	
	58867-02	. STRAP, Rear retaining (92114)	2	
		(ATTACHING PARTS)		
-28	AN525-832R8	. SCREW	2	
-29	AN960-8L	. WASHER	2	
-30	56123	. NUT	2	
		---*---		
	V66-1ACC-161	. PARTS KIT (F)	1	
	Notes: 1. When replacing lapbelt assembly, apply sealing, locking, and retaining compound, MIL-S-22473, to shoulder screws. 2. After incorporation of ACC 161, Part III, Amend. 1.			



63-3A

Figure 7-35. Lower Container Assembly (Scott)

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-35	21466-5	CONTAINER ASSEMBLY, Lower . . . . . (See figure 7-34 for NHA)	REF	
	800280-00	. HANDLE ASSEMBLY, Kit release	1	
-1	MS24667-9	. SCREW (Apply sealing compound, grade E)	5	
-2	55452	. . BUSHING	3	
-3	10000554	. . PIN, Anchor	1	
-4	10000827	. . SPRING, Helical, compression	1	
	EW51018	. . SPRING, Helical, compression (30941) . . . . . (Interchangeable with 10000827)	1	
	800286-00	. . LATCH ASSEMBLY	1	
-5	55450	. . . PIN	1	
-6	10000555	. . . LATCH	1	
	800287-00	. . TRIGGER ASSEMBLY	1	
-7	55453	. . . PIN (Apply Molykote No. X106)	1	
-8	10000556	. . . LINK (Apply Molykote No. X106)	1	
-9	10000557	. . HANDLE, Right half	1	
-10	10000558	. . HANDLE, Left half	1	
	800101-00	. ACTUATOR ASSEMBLY . . . . . (ATTACHING PARTS)	1	
-11	38030-3F8C	. SCREW, Button head (56878)	3	
-12	AN960-10	. WASHER . . . . . ---*---	1	
-13	10000508	. . COVER . . . . . (ATTACHING PARTS)	1	
-14	AQM62FS440-4C	. . SCREW, Machine (02615) . . . . . ---*---	4	
-15	10000543	. . SPRING, Helical, compression	1	
-16	10000499	. . PIN, Spacer	2	
-17	10000504	. . LEVER . . . . . (ATTACHING PARTS)	1	
-18	MS24665-132	. . PIN	1	
-19	MS20392-1C7	. . PIN	1	
-20	AN960-6L	. . WASHER . . . . . ---*---	1	
-21	10000502	. . CLEVIS . . . . . (ATTACHING PARTS)	1	
-22	MS24665-132	. . PIN	1	
-23	MS20392-1C9	. . PIN	1	
-24	AN960-6L	. . WASHER . . . . . ---*---	1	
-25	10000503	. . LINK	4	
	800269-00	. . BODY ASSEMBLY	1	
-26	55471	. . . PIN (Apply Molykote No. X106)	1	

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-35-27	MS21209F1-15	. . . INSERT (Apply Molykote No. X106)	3	
-28	10000498	. . . BODY (Apply Molykote No. X106)	1	
-29	800279-00	. CONDUIT ASSEMBLY	1	
-30	19561	. NUT	3	
	102C525-11	. NUT (30941) (Interchangeable with 19561)	3	
-31	55478	. NUT	3	
-32	19974	. NIPPLE	3	
	102C527-11	. NIPPLE (30941) (Interchangeable with 19974)	3	
-33	10000474	. COVER PLATE	3	
	204C721-11	. COVER PLATE (30941) (Interchangeable with 10000474) (ATTACHING PARTS)	3 1	
-34	AQM62FS440-4C	. SCREW, Machine (02615) ---*---	12	
-35	10000481	. LATCH	3	
	800238-00	. BODY ASSEMBLY (ATTACHING PARTS)	3	
-36	38030-3F8C	. SCREW, Button head (56878)	6	
-37	MS51960-65	. SCREW	12	
-38	22K1-02	. NUT (72962)	12	
-39	AN960PD10L	. WASHER ---*---	12	
-40	MS21209F1-15	. . INSERT	2	
-41	10000479	. . BODY	1	
-42	19974-1	. NIPPLE	2	
	102C527-13	. NIPPLE (30941) (Interchangeable with 19974-1)	2	
-43	58250	. CLAMP	3	
	46001	. CLAMP (30941) (Interchangeable with 58250) (ATTACHING PARTS)	3	
-44	AN505C6R7	. SCREW	3	
-45	22K2-62	. NUT (72962)	3	
-46	AN960C6L	. WASHER ---*---	3	
-47	55055-01	. CONDUIT ASSEMBLY	1	
-48	10000476	. REINFORCEMENT	2	
-49	MS20426AD4-6	. RIVET	14	
-50	AN960C4	. WASHER ---*---	14	
-51	800268-00	. CONDUIT ASSEMBLY	1	

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-35-52	10000477	. REINFORCEMENT (ATTACHING PARTS)	1	
-53	MS20426AD4-6	. RIVET	3	
-54	AN960C4	. WASHER ---*---	3	
-55	55457	. BRACKET	2	
	204C423-11	. BRACKET (30941) (Interchangeable with 55457) (ATTACHING PARTS)	2	
-56	6-32UNF-3AX3-4	. SCREW, Hexagon, socket (70276)	4	
-57	22K2-62	. NUT (72962)	4	
-58	55422	. SPACER ---*---	4	
-59	10000453	. PLATE (ATTACHING PARTS)	2	
-60	MS20470AD4-5	. RIVET ---*---	4	
-61	21673	. GUIDE ASSEMBLY	1	
	204C630-1	. GUIDE ASSEMBLY (30941) (Interchangeable with 21673) (ATTACHING PARTS)	1	
-62	MS35216-41	. SCREW	6	
-63	18352	. NUT	6	
-64	AN960-8L	. WASHER	6	
-65	AN936A8	. WASHER ---*---	6	
-66	24859-01	. PAD	1	
-67	800505-00	. STRAP ASSEMBLY (Note 1) (ATTACHING PARTS)	2	
-68	55457	. BRACKET (Note 1)	4	
	204C423-11	. BRACKET (30941) (Note 1) (Interchangeable with 55457)	4	
-69	AN507-632R10	. SCREW (Note 1)	8	
-70	22K2-62	. NUT (72962) (Note 1)	8	
-71	55422	. SPACER (Note 1)	8	
-72	10000480	. CHANNEL (ATTACHING PARTS)	1	
-73	MS20426AD4-6	. RIVET ---*---	10	
-74	800241-00	. CONTAINER SUBASSEMBLY	1	
	Notes: 1. Removed by ACC 332			

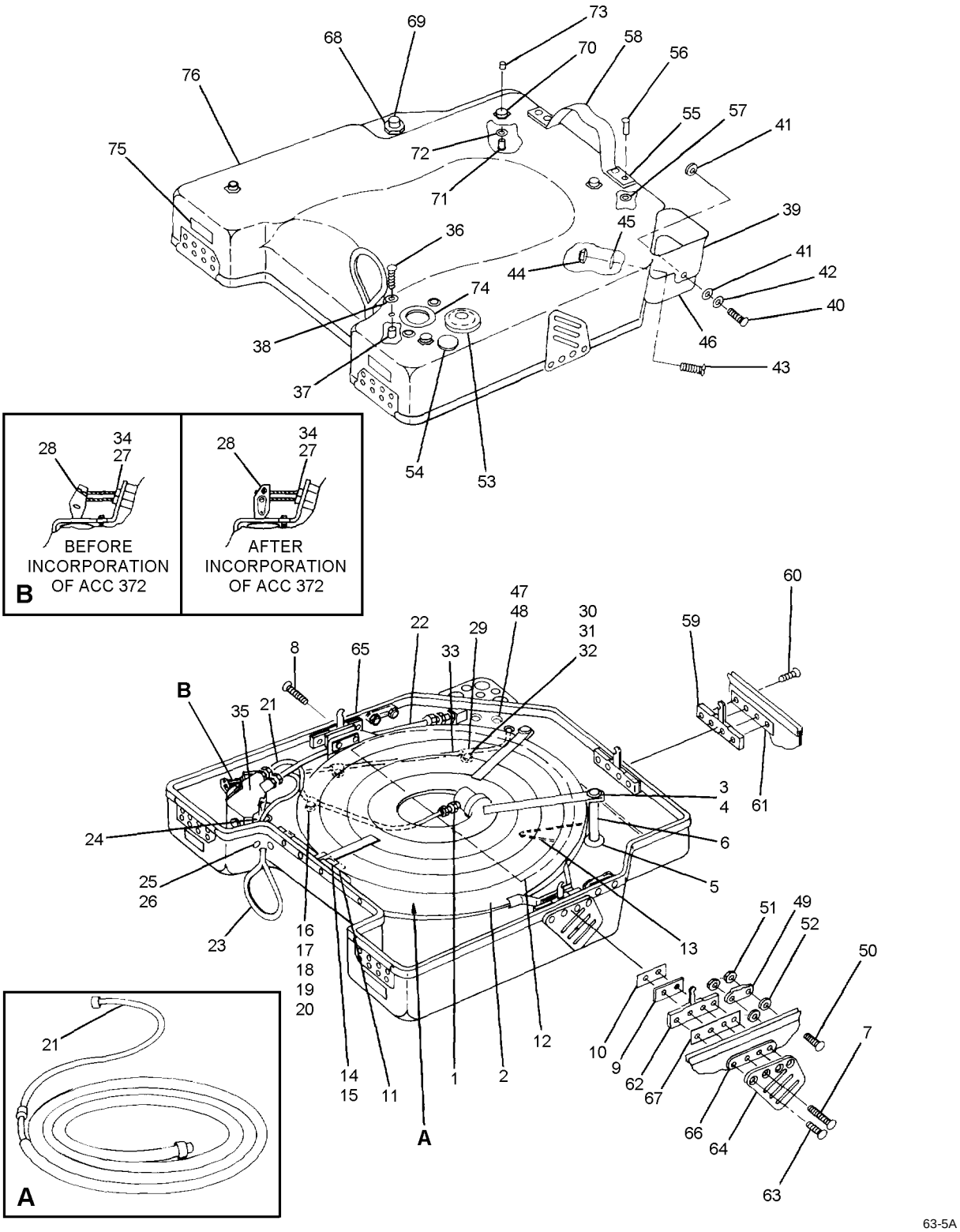


Figure 7-36. Upper Container Assembly (Scott)

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-36	800236-00	CONTAINER ASSEMBLY, Upper (See figure 7-34 for NHA)	REF	
-1	AN816-3C	. NIPPLE	1	
-2	21132-1	. CYLINDER ASSEMBLY (ATTACHING PARTS)	1	
-3	LP22B028J10	. SCREW, Machine (03038)	4	
-4	AN960-416L	. WASHER	2	
-5	AN970-4	. WASHER	4	
-6	10000515	. SPACER	2	
-7	MS51960-71	. SCREW	2	
-8	MS51960-72	. SCREW	2	
-9	10000536	. SHIM	2	
-10	21189	. SHIM ---*---	AR	
-11	AN932S2	. . PLUG	1	
-12	800469-00	. SUPPORT ASSEMBLY, Oxygen cylinder	1	
-13	10000974	. . PAD, PRESSURE sensitive	4	
-14	10000943	. PAD, Pressure sensitive	1	
	204C627	. PAD, Pressure sensitive (30941) (Interchangeable with 10000943)	1	
-15	10000942	. PAD, Pressure sensitive	1	
	204C626-11	. PAD, Pressure sensitive (30941) (Interchangeable with 10000942)	1	
-16	58468	. CLAMP	1	
	EW46002	. CLAMP (3094) (Interchangeable with 58468) (ATTACHING PARTS)	1	
-17	AN525-832R9	. SCREW	1	
-18	MS20364-832A	. NUT	1	
-19	2832-17	. WASHER, Flat	1	
-20	AN960-8	. WASHER ---*---	1	
-21	800467-00	. TUBE ASSEMBLY (Note 1)	1	
	801262	. TUBE ASSEMBLY (Note 1)	1	
-22	800242-00	. TUBE ASSEMBLY	1	
-23	21833-03	. RELEASE ASSEMBLY	1	
-24	800278-00	. ACTUATOR ASSEMBLY (ATTACHING PARTS)	1	
-25	MS35216-41	. SCREW	2	
-26	MS20364-832A	. NUT	2	
-27	20415	. CLIP, Retaining	1	
	EW51011	. CLIP, Retaining (30941) (Interchangeable with 20415) ---*---	1	

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-36-28	MS24665-87	. PIN	1	
-29	58250	. CLAMP	3	
	EW46001	. CLAMP (30941) (Interchangeable with 58250) (ATTACHING PARTS)	3	
-30	AN525-832R7	. SCREW	3	
-31	MS20364-832A	. NUT	3	
-32	AN960-8	. WASHER ---*---	3	
-33	800296-00	. LANYARD ASSEMBLY (ATTACHING PARTS)	1	
-34	20415	. CLIP, Retaining	1	
	EW51011	. CLIP, Retaining (30941) (Interchangeable with 20415) ---*---	1	
-35	21051-19	. REDUCER/MANIFOLD ASSEMBLY (Supersedes 21051-13, 21051-15, and 21051-17) (See figure 7-40 for BKDN) (Note 2) (ATTACHING PARTS)	1	
-36	AN525-10R12	. SCREW	3	
-37	NAS43DD3-16	. SPACER	3	
-38	AN960-10	. WASHER ---*---	3	
-39	10000517	. GUIDE (ATTACHING PARTS)	1	
-40	MS35216-41	. SCREW	2	
-41	AN960-8	. WASHER	6	
-42	AN936A8	. WASHER	2	
-43	AN525-832R8	. SCREW	2	
-44	MS20364-832A	. NUT	2	
-45	AN960-8	. WASHER ---*---	2	
-46	21006-9	. BLOCK ASSEMBLY, Intermediate (See figure 7-39 for BKDN)	1	
	204D250-1	. BLOCK ASSEMBLY, Intermediate (30941) (Interchangeable with 21006-9) (ATTACHING PARTS)	1	
-47	MS35217-55	. SCREW	3	
-48	AN960PD10L	. WASHER ---*---	3	
-49	55457	. BRACKET	2	

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-36	204C423-11	. BRACKET (30941) (Interchangeable with 55457) (ATTACHING PARTS)	2	
-50	55052	. SCREW, Machine	4	
-51	22K2-62	. NUT (72962)	4	
-52	55422	. SPACER ---*---	4	
-53	20072	. BUTTON ASSEMBLY	1	
-54	BS5Z338-K1105	. PLUG, Button (83058)	1	
	21022-3	. LID ASSEMBLY, Container	1	
-55	21190	. . RETAINER	2	
	204C213-11	. . RETAINER (30941) (Interchangeable with 21190) (ATTACHING PARTS)	2	
-56	MS20480A4-7	. . RIVET	4	
-57	AN960PD6	. . WASHER ---*---	4	
-58	27490	. . WEBBING	1	
	204C215-11	. . WEBBING (30941) (Interchangeable with 27490)	1	
-59	15306	. . HOOK, Lid lock (ATTACHING PARTS)	1	
-60	38030-3F-10C	. . SCREW, Button head (56878) (Apply sealing compound grade C)	2	
-61	10000516	. . SPACER	1	
	204C225-1	. . SPACER (30941) (Interchangeable with 10000516) ---*---	1	
-62	15306	. . HOOK, Lid lock (ATTACHING PARTS)	2	
-63	MS51960-68	. . SCREW	4	
-64	15030	. . PLATE, Left hand	1	
-65	15031	. . PLATE, Right hand	1	
-66	23204-1	. . SPACER	2	
	204C214-11	. . SPACER (30941) (Interchangeable with 23204-1)	2	
-67	10000516	. . SPACER	2	
	203C225-1	. . SPACER (30941) (Interchangeable with 10000516) ---*---	2	
-68	10000711	. . SOCKET (Apply sealing compound, grade C)	1	

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-36	204C226-11	. . SOCKET (30941) ..... (Apply sealing compound, grade C) (Interchangeable with 10000711) (ATTACHING PARTS)	1	
-69	55478	. . NUT, Lock ..... ---*---	1	
-70	AN227-64B	. . STUD ..... (ATTACHING PARTS)	4	
-71	MS20470A4-7	. . RIVET	4	
-72	AN960PD6	. . WASHER	4	
-73	NAS42DD4-7	. . SPACER ..... ----*---	4	
-74	20395	. . WINDOW (Apply bonding agent R-313)	1	
-75	10000524	. . TAPE, Pile (Apply cement EC-780)	2	
-76	800237-00	. LID	1	
	Notes: 1. Either tube assembly may be used, depending on the configuration of 21132-1 cylinder assembly. 2. P/N 21051-19 contains KEL-F type valve seat.			

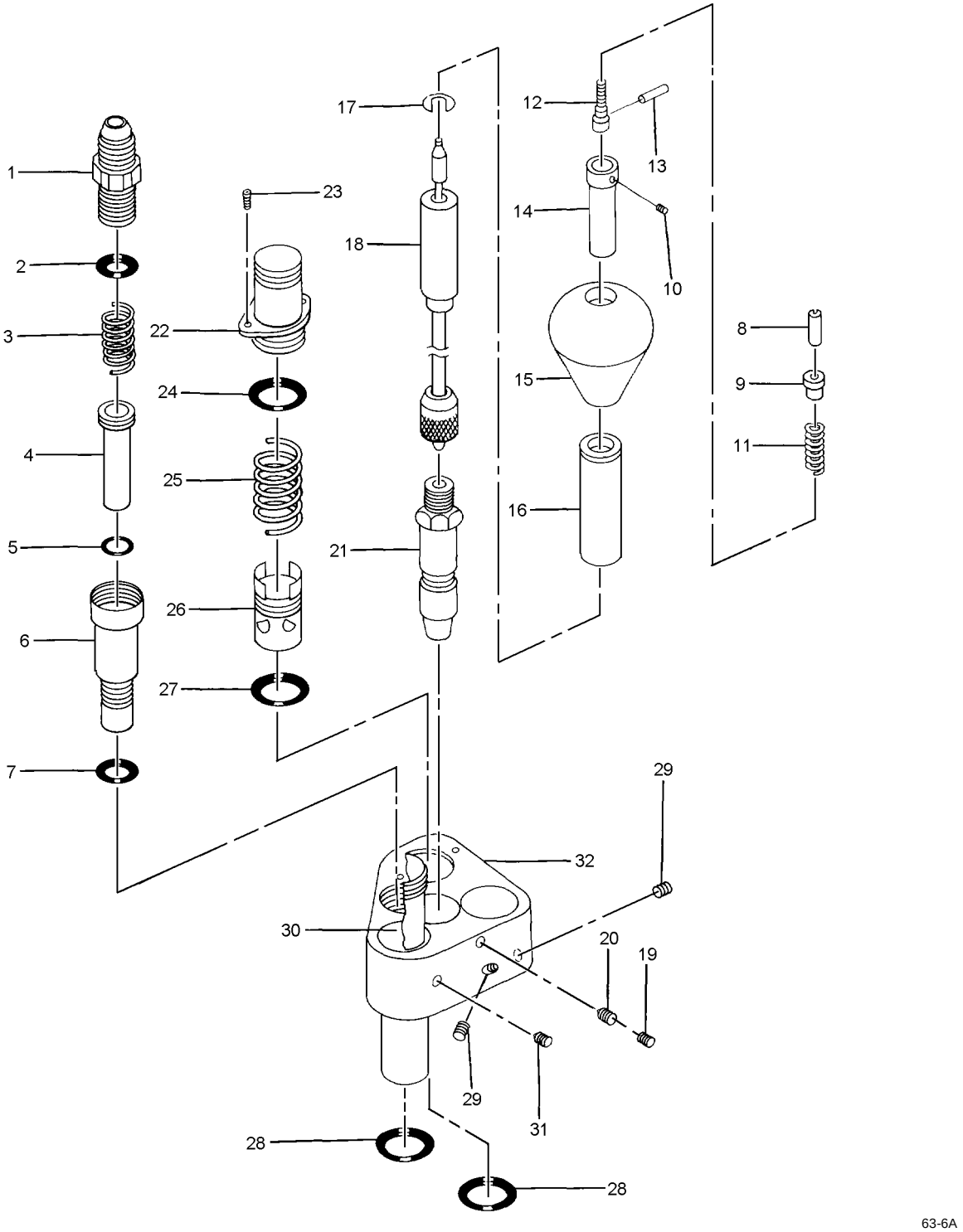


Figure 7-37. Upper Block Assembly (Scott)

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-37	21133-7	BLOCK ASSEMBLY, Upper (Parts kit available) .... (See figure 7-34 for NHA)	REF	
	183D100-1	BLOCK ASSEMBLY, Upper (30941) ..... (See figure 7-34 for NHA)	REF	
-1	10000550	. FITTING, Hose connector	1	
-2	3-4-S417-7	. PACKING, Preformed (02697) (KC)	1	
-3	10000549	. SPRING, Helical compression	1	
-4	10000547	. SLEEVE	1	
-5	2800A5A	. PACKING, Preformed (KC)	1	
-6	10000548	. BODY	1	
-7	3-4-S417-7	. PACKING, Preformed (02697)	1	
	40218-13	. BLOCK SUBASSEMBLY, Upper	1	
	26338-01	. . LANYARD ASSEMBLY, Manual actuation	1	
	26331-01	. . . INDICATOR, Lock Assembly	1	
-8	26332	. . . . INDICATOR, Manual release ..... (Apply sealing compound, grade E)	1	
-9	26334	. . . . SLEEVE, Manual release ..... (ATTACHING PARTS)	1	
-10	AN565D2H2	. . . . SETSCREW ..... (Apply sealing compound, grade E) ---*---	1	
-11	26335	. . . . SPRING, Helical compression	1	
-12	26336	. . . . FOLLOWER	1	
-13	26337	. . . . PIN, Lock	1	
-14	26333	. . . . RETAINER, Knob	1	
-15	56494-00	. . . HAND KNOB, Manual release	1	
-16	26343	. . . SLEEVE, Housing	1	
-17	26339	. . . KEY, Shaft	1	
-18	26327-01	. . . RETENTION ASSEMBLY, Hand knob ..... (Apply sealing compound, grade E)	1	
	24475-01	. . LOCK PIN ASSEMBLY, Manual release ..... (Note 1)	1	
	24475-03	. . LOCK PIN ASSEMBLY, Manual release ..... (Note 1)	1	
	24475-05	. . LOCK PIN ASSEMBLY, Manual release ..... (Note 1)	1	
	24475-07	. . LOCK PIN ASSEMBLY, Manual release ..... (Note 1) (ATTACHING PARTS)	1	
-19	MS59625-27	. . SETSCREW	1	
-20	24484-01	. . SETSCREW ..... ---*---	1	
-21	800289-00	. . . LOCK PIN ASSEMBLY, Blank	1	

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-37-22	19310-00	. . FITTING, Hose, vent	1	
		(ATTACHING PARTS)		
-23	19912-00	. . SCREW, Machine	2	
		(Apply sealing compound, grade E)		
		---*---		
-24	2-15S418-6	. . PACKING, Preformed (02697) (KC)	1	
-25	10000815	. . SPRING, Helical, compression	1	
-26	40026	. . VALVE, Check	1	
-27	2-15S418-6	. . PACKING, Preformed (02697) (KC)	1	
-28	2-17B318-7	. . PACKING, Preformed (02697) (KC)	2	
-29	MS51977-29	. . SETSCREW	2	
-30	19970	. . FITTING, Hose, anti-g	1	
		(ATTACHING PARTS)		
-31	MS51977-29	. . SETSCREW	1	
		(Apply sealing compound, grade E)		
		---*---		
-32	56497-00	. . HOUSING, Upper block	1	
	26936	PARTS KIT, Upper block assembly (KC)	1	
	Notes: 1. Select one at assembly.			

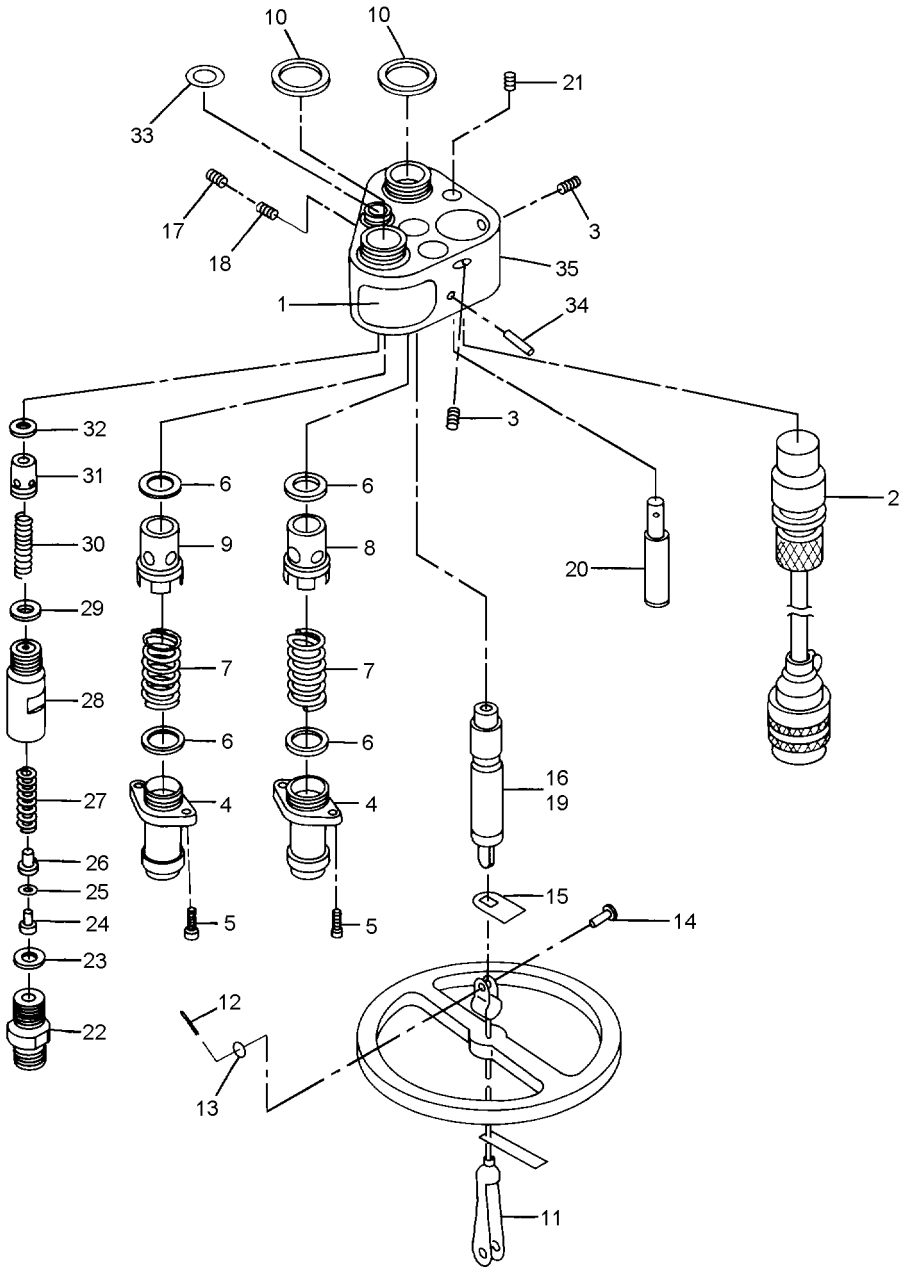


Figure 7-38. Lower Block Assembly (Scott)

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-38	21007-5	BLOCK ASSEMBLY, Lower (Parts kit available) . . . . (See figure 7-34 for NHA)	REF	
	183D200-1	BLOCK ASSEMBLY, Lower (30941) . . . . . (Parts kit available) (See figure 7-34 for NHA) (Interchangeable with 21007-5)	REF	
-1	10000801	. PLATE, Identification	1	
-2	21020-3	. CABLE ASSEMBLY, Electrical	1	
	40031-05	. BLOCK SUBASSEMBLY, Lower	1	
-3	MS51977-29	. . SETSCREW	2	
-4	19310	. . FITTING, Hose . . . . . (ATTACHING PARTS)	2	
-5	19912	. . SCREW, Machine . . . . . (Apply sealing compound, grade C) ---*---	4	
-6	2-15S418-6	. . PACKING, Preformed (02697) (KC)	4	
-7	10000815	. . SPRING, Helical, compression	2	
-8	40026	. . VALVE, Check	1	
-9	40072	. . VALVE, Check	1	
-10	2-17B278-7	. . PACKING, Preformed (02697)	2	
-11	15286	. . CABLE ASSEMBLY, Lock pin . . . . . (ATTACHING PARTS)	1	
-12	AN381-2-5	. . PIN	1	
-13	AN960C4	. . WASHER	1	
-14	MS20392-1C9	. . PIN . . . . . ---*---	1	
-15	55027	. . INDICATOR, Lock pin	1	
-16	19857-00	. . LOCK PIN ASSEMBLY (Note 1)	1	
	19857-01	. . LOCK PIN ASSEMBLY (Note 1)	1	
	19857-03	. . LOCK PIN ASSEMBLY (Note 1)	1	
	19857-05	. . LOCK PIN ASSEMBLY (Note 1) . . . . . (ATTACHING PARTS)	1	
-17	MS51965-27	. . SETSCREW	1	
-18	24484-01	. . SETSCREW . . . . . ---*---	1	
-19	800235-00	. . . LOCK PIN ASSEMBLY, Blank	1	
-20	15513	. . LOCK PIN ASSEMBLY . . . . . (ATTACHING PARTS)	1	
-21	MS51977-29	. . SETSCREW . . . . . (Apply sealing compound, grade C) ---*---	1	
	15287	. . CHECK VALVE ASSEMBLY	1	
-22	15705	. . . FITTING	1	
-23	3-4S417-7	. . . PACKING, Preformed (02697) (KC)	1	
-24	20673	. . . POPPET	1	

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-38-25	7014	. . . WASHER	1	
-26	7017	. . . SLEEVE	1	
-27	15503	. . . SPRING, Helical, compression	1	
-28	55511	. . . BODY	1	
-29	3-4-S417-7	. . PACKING, Preformed (02697)	1	
-30	55025	. . SPRING, Helical, compression	1	
-31	15702	. . VALVE, Check	1	
-32	2-10S613-6	. . PACKING, Preformed (02697) (KC)	1	
-33	2-12B318-7	. . PACKING, Preformed (02697)	1	
-34	MS171436	. . PIN	1	
-35	55516-3	. . BODY	1	
	26937	PARTS KIT, Lower block assembly (KC)	1	
	Notes: 1. Select one at assembly.			

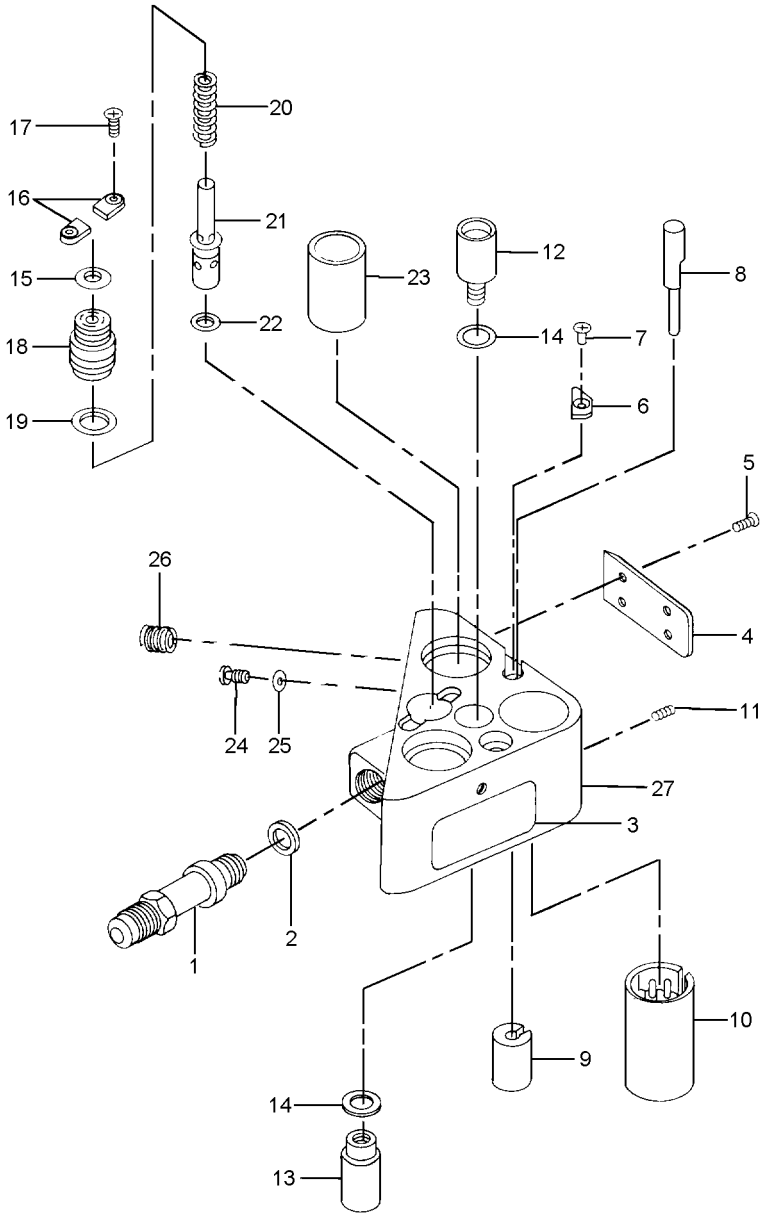


Figure 7-39. Intermediate Block Assembly (Scott)

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-39	21006-9	BLOCK ASSEMBLY, Intermediate (Parts kit available) (See figure 7-36 for NHA)	REF	
	204D250-1	BLOCK ASSEMBLY, Intermediate (30941) (See figure 7-36 for NHA) (Interchangeable with 21006-9)	REF	
-1	15301	. CONNECTOR, Oxygen	1	
-2	3-4S417-7	. PACKING, Preformed (02697) (KC)	1	
-3	10000902	. PLATE, Identification	1	
	40028-09	. BLOCK SUBASSEMBLY, Intermediate	1	
-4	55443	. . COVER, Conduit (ATTACHING PARTS)	1	
-5	MS51959-3	. . SCREW ---*---	4	
-6	19157	. . RETAINER (ATTACHING PARTS)	1	
-7	MS35190-210	. . SCREW (Apply sealing compound, grade E) ---*---	1	
-8	15300	. . PIN, Lock	1	
-9	19936	. . SLEEVE	1	
-10	55056	. . CONNECTOR, Electrical	1	
	204D266-1	. . CONNECTOR, Electrical (30941) (Interchangeable with 55056) (ATTACHING PARTS)	1	
-11	MS51977-29	. . SETSCREW ---*---	1	
-12	24485-01	. . INSERT, Male (Apply sealing compound, grade D)	1	
-13	24486-01	. . INSERT, Female	1	
-14	55011	. . SHIM	AR	
-15	2-12B318-7	. . PACKING, Preformed (02697) (KC)	1	
-16	10000526	. . RETAINER (ATTACHING PARTS)	2	
-17	MS35190-210	. . SCREW (Apply sealing compound, grade E) ---*---	2	
-18	10000525	. . PLUG, Interface	1	
-19	2-13S613-6	. . PACKING, Preformed (02697) (KC)	1	
-20	15299	. . SPRING, Helical, compression	1	
	EW51010	. . SPRING, Helical, compression (30941) (Interchangeable with 15299)	1	
-21	19938	. . CHECK VALVE	1	
-22	2-10S613-6	. . PACKING, Preformed (02697)	1	

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-39-23	55455	. . SLEEVE	1	
		(ATTACHING PARTS)		
-24	19935	. . SCREW, Machine	1	
		---*---		
-25	2-4S613-6	. PACKING, Preformed (02697) (KC)	1	
-26	MS21209F1-15	. . INSERT	3	
-27	55456-02	. . HOUSING	1	
	26939	PARTS KIT, Intermediate block assembly (KC)	1	

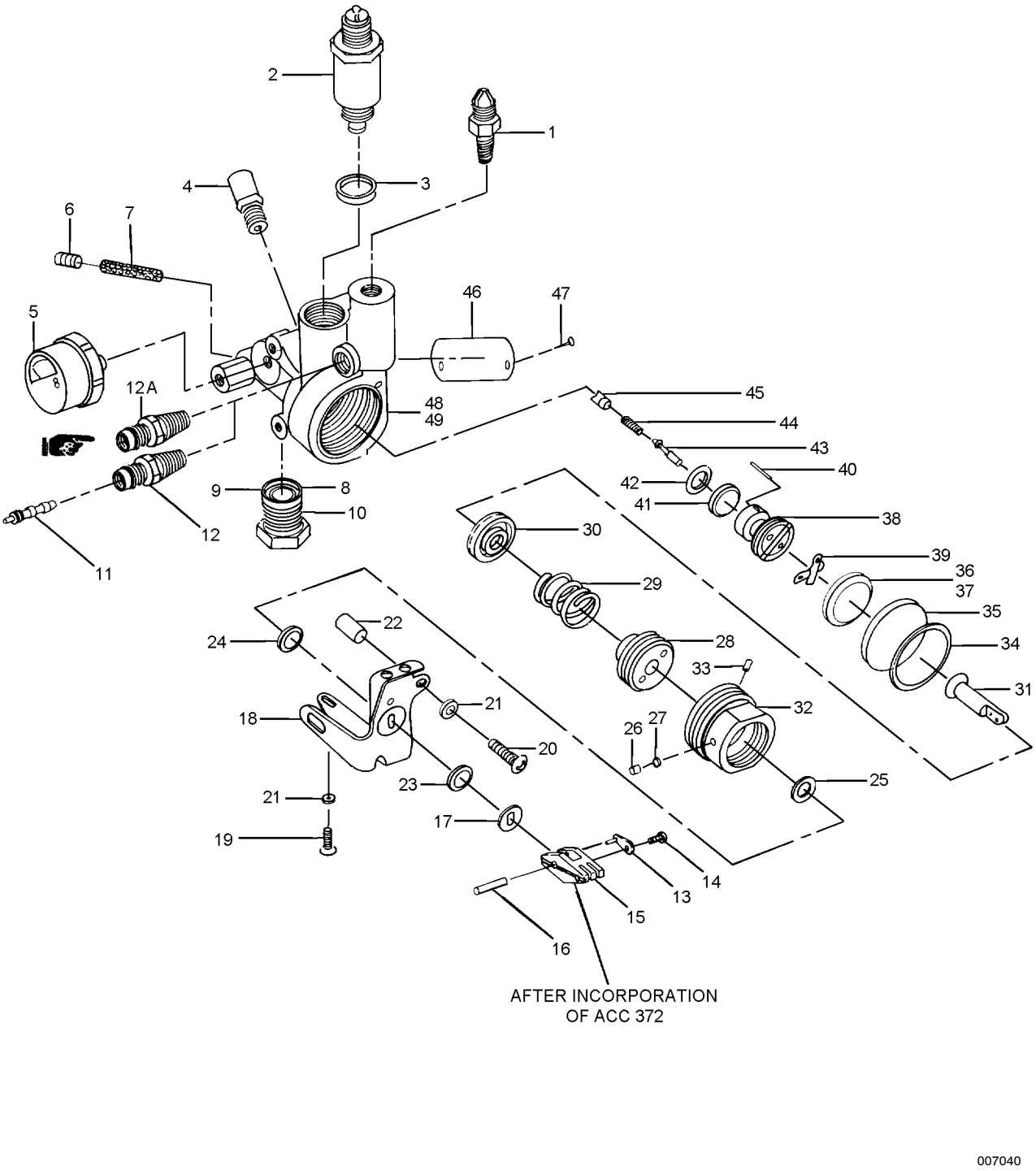


Figure 7-40. Reducer/Manifold Assembly (Scott)

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-40	21051-19	REDUCER/MANIFOLD ASSEMBLY ..... (See figure 7-36 for NHA) (Supersedes 20151-17)	REF	A
	21051-17	REDUCER/MANIFOLD ASSEMBLY ..... (See figure 7-36 For NHA) (Replaced by 21051-19)	REF	B
-1	AN816-3C	. NIPPLE (Torque 75 in-lbs)	1	
-2	800264-00	. VALVE ASSEMBLY, Surge control	1	
-3	2-13-77-545	. PACKING, Preformed (02697)	1	
-4	5043-6	. VALVE ASSEMBLY, Relief	1	
-5	20430	. GAGE, Pressure, dial indicating	1	
	EW68001	. GAGE, Pressure, dial indicating (30941) ..... (Interchangeable with P/N 20430)	1	
-6	AN932D1	. PLUG	1	
-7	22639-11	. SCREEN, Filter	1	
	6552	. PLUG ASSEMBLY, Safety (Torque 375 lb-in)	1	
-8	6555	. . GASKET	1	
-9	6554	. . DISC	1	
-10	6553	. . PLUG	1	
	221B380-1	. VALVE ASSEMBLY, Filler ..... (Torque 4 to 5 lb-in)	1	
-11	20018	. . CORE, Valve (Torque 4 to 5 lb-in) (Note 1)	1	
-12	10001308	. . BODY	1	
-12A	9120097-27	. FILL VALVE (Note 2)	1	
-13	22398-1	. SPRING, Detent KF ..... (ATTACHING PARTS)	1	B
-14	AN520-0-2	. SCREW ..... (Apply loctite sealant, grade A or equivalent) ---*---	1	B
-15	21030	. ARM, Toggle ..... (ATTACHING PARTS)	1	
-16	MS171494	. PIN ..... ---*---	1	
-17	22021	. SPACER KF	1	
-18	25342	. BRACKET ..... (ATTACHING PARTS)	1	
-19	AN515-4R3	. SCREW KF	1	
-20	AN515-4R10	. SCREW KF	1	
-21	AN936A4	. WASHER	2	
-22	NAS42DD4-22	. SPACER ..... ---*---	1	
-23	20364	. SPACER KF	AR	
-24	20364-01	. SPACER KF	AR	
-25	20364-02	. SPACER KF	AR	
-26	AN565DC6H2	. SETSCREW KF	1	
-27	20082	. INSERT KF	1	

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-40-28	20042-03	. RETAINER	1	
-29	10000947	. SPRING, Helical, compression	1	
-30	22293-01	. PLATE, Thrust	1	
-31	22292-03	. PIN, Thrust	1	
-32	20041	. SLEEVE (Torque 30 ±5 in-lbs)	1	
-33	11622-04	. PLUG	1	
-34	11597	. RING, Slip KF	1	
-35	11594	. DIAPHRAGM KC	1	
-36	20057	. PLATE, Thrust KF	1	
-37	10005310	. PLATE, Thrust	1	A
-38	10000945	. GUIDE	1	
-39	26183	. LEVER, Actuating	2	
		(ATTACHING PARTS)		
-40	2836-02	. PIN, Straight, headless	2	
		---*---		
-41	22199-02	. SEAT, Valve	1	
-42	2800A6A	. PACKING, Preformed KC	1	
-43	10001148	. STEM, Valve	1	
-44	10000948	. SPRING, Helical, Compression	1	
-45	10000946	. SUPPORT, Spring	1	
-46	10000826	. PLATE, Identification	1	
		(ATTACHING PARTS)		
-47	AN535-00-2	. SCREW	2	
		---*---		
	25264-01	. BODY ASSEMBLY	1	
-48	MS21209F1-15	. . INSERT	3	
-49	25264-3	. . BODY	1	
	26488	. . PARTS KIT, Cure date, reducer/manifold KC, 1 inch	1	
	26490	. . PARTS KIT, Field repair reducer/manifold KF, 1 inch	1	

Notes:
1. Use valve core tool P/N 2688 (CAGE 27783) NIIN 00-541-4687 for removal of valve core.
2. Fill Valve can be used as an alternate to replace Filler Valve Assembly P/N 221B380-1 or Valve Core P/N 20018 and Body P/N 10001308.

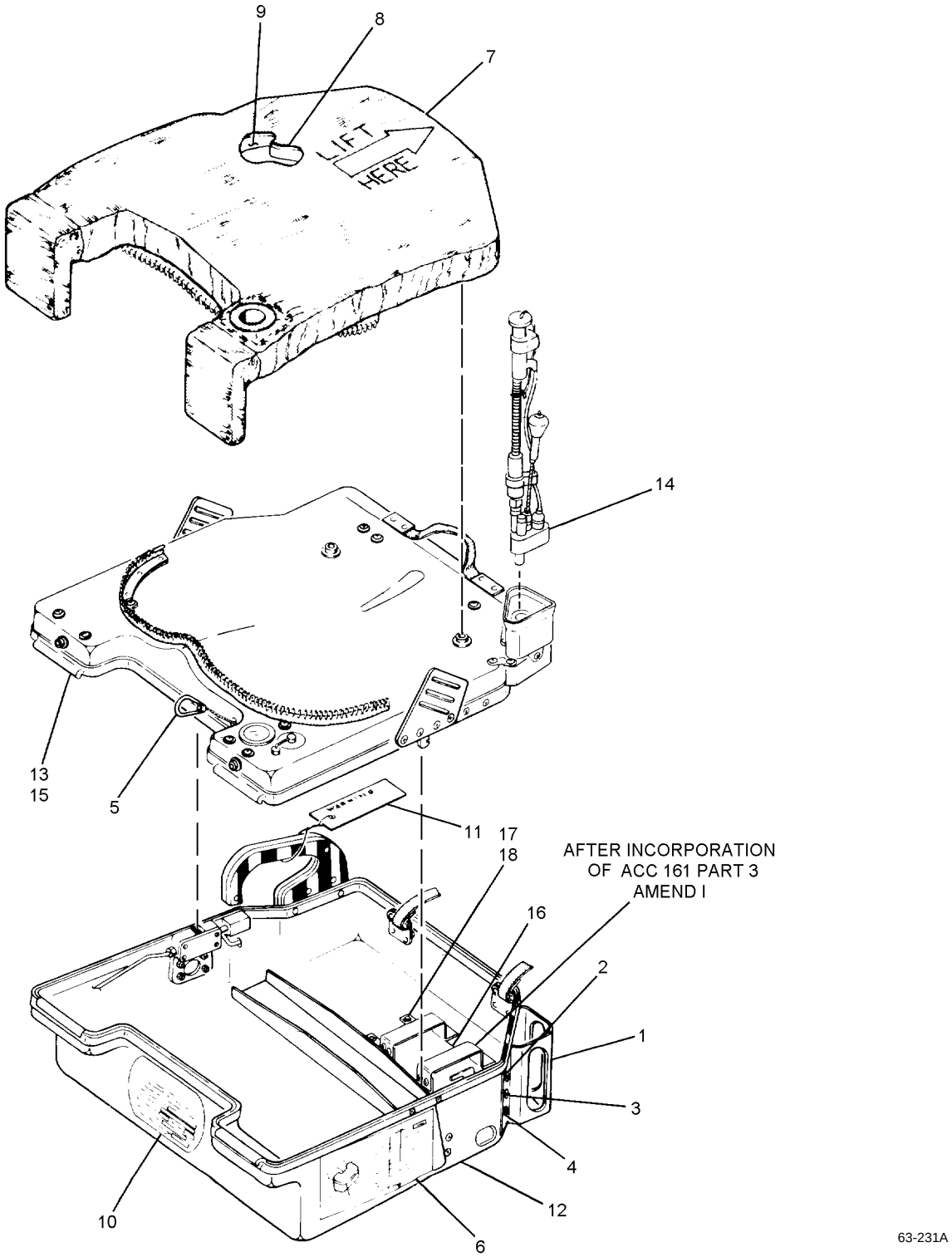


Figure 7-41. Rigid Seat Survival Kit-1 (Scott)

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-41	21000-9	KIT, SEAT SURVIVAL	REF	
-1	21673	. SHROUD ASSEMBLY, Survival kit	1	
	204C630-1	. SHROUD ASSEMBLY, Survival kit (30941) (Interchangeable with 21673) (ATTACHING PARTS)	1	
-2	MS35216-41	. SCREW	2	
	AN960-8L	. WASHER, Flat	2	
	AN936A8	. WASHER, Lock	2	
	MS20364-832	. NUT, Self-locking, hexagon	2	
-3	MS35216-42	. SCREW	2	
	AN960-8L	. WASHER, Flat	2	
	AN936A8	. WASHER, Lock	2	
	MS20364-832	. NUT, Self-locking, hexagon	2	
-4	MS35216-43	. SCREW	2	
	AN960-8L	. WASHER, Flat	2	
	AN936A8	. WASHER, Lock	2	
	MS20364-832	. NUT, Self-locking, hexagon	2	
		---*---		
-5	21833-3	. LANYARD ASSEMBLY, Manual oxygen actuation (Alternate for 21833-1)	1	
	21833-1	. LANYARD ASSEMBLY, Manual oxygen actuation (Alternate for 21833-3)	1	
-6	21145	. PLATE, Instruction	1	
	25054	. CUSHION ASSEMBLY, Survival kit contoured	1	
-7	25054-1	. . COVER ASSEMBLY, Survival kit cushion	1	
-8	24873	. . PAD, Cushion	1	
-9	24874	. . INSERT, Contoured cushion	1	
-10	22382-1	. PLATE, Identification	1	
-11	2769	. TAG, Warning	1	
	204C925	. TAG, Warning (30941) (Interchangeable with 2769)	1	
-12	21466-3	. CONTAINER ASSEMBLY, Survival kit, lower (Note 1) (Before ACC 319)	1	
	CL226D3	. CONTAINER ASSEMBLY, Survival kit, lower (After ACC 319)	1	
-13	21001-3	. CONTAINER ASSEMBLY, Survival kit, upper (Note 1) (Before ACC 319)	1	
	CL226D4	. CONTAINER ASSEMBLY, Survival kit upper (After ACC 319)	1	
-14	21133-7	. BLOCK ASSEMBLY, Upper	1	
	183D100-1	. BLOCK ASSEMBLY, Upper (30941) (Interchangeable with 21133-7) (Parts kit available)	1	
-15	25341-1	. CONTAINER ASSEMBLY	1	

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-41-16	CL204D2-1	. BRACKET ASSEMBLY, Radio beacon (KF) . . . . . (Note 2)	1	
		(ATTACHING PARTS)		
-17	MS20470A4-7	. RIVET (Note 2) (KF)	4	
-18	AN960PD-4	. WASHER (Note 2) (KF)	4	
		---*---		
	V66-6ACC-161	. PARTS KIT (F)	1	
	Notes: 1. Order 25341-1 for matched set 2. After Incorporation of ACC-161, Part III, Amend. 1.			

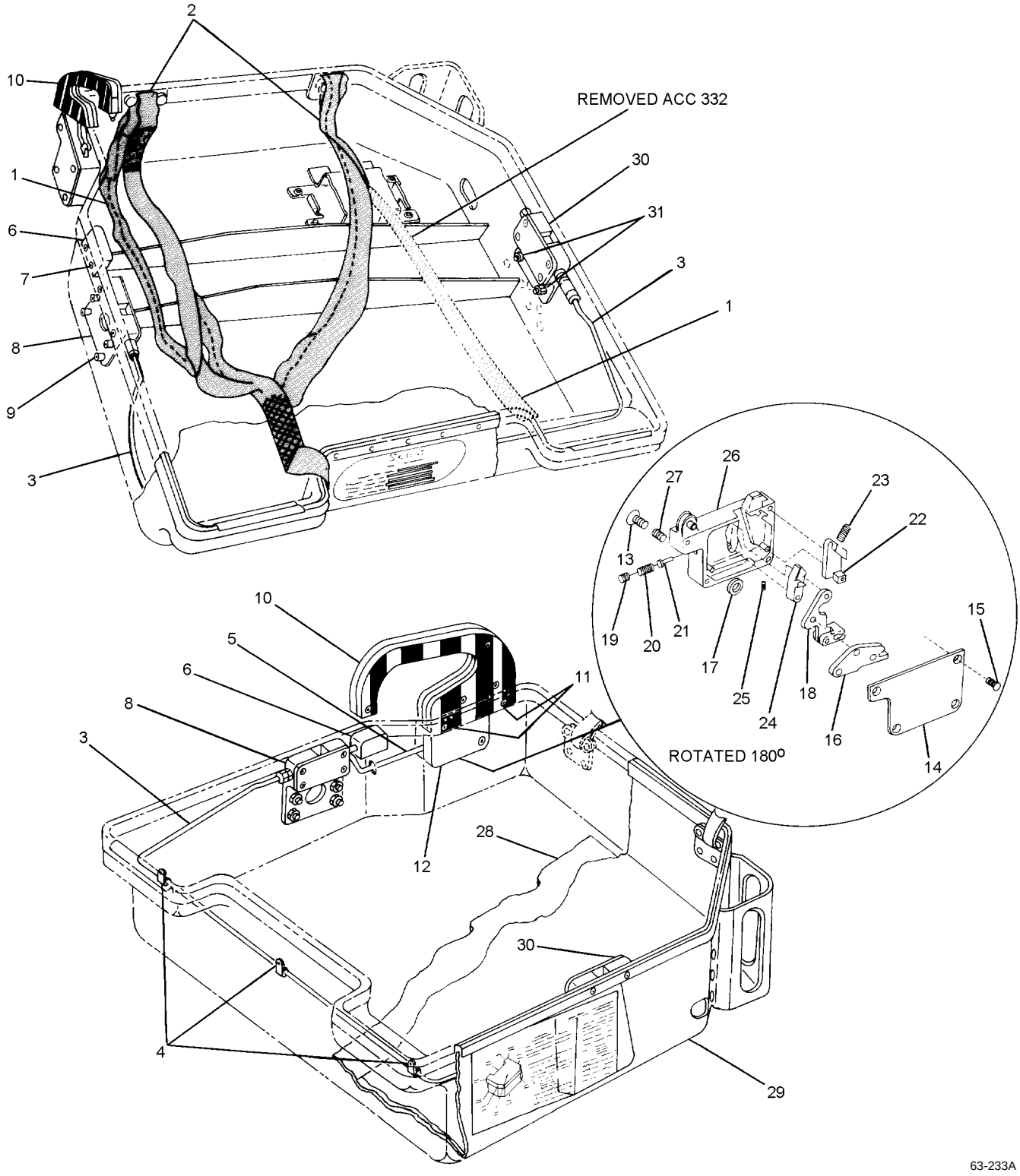


Figure 7-42. Lower Container Assembly-1 (Scott)

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-42	21466-3	CONTAINER ASSEMBLY, Lower ..... (See figure 7-41 for NHA)	REF	
-1	22028-1	. LANYARD, Survival kit bag (Note 1)	2	
-2	5-581226	. DROPLINE, Survival kit (92526)	1	
	21421-3	. CONTAINER ASSEMBLY, Survival kit, lower ... (31441) (Altered from 255001-1)	1	
-3	255620	. . CABLE ASSEMBLY, Lid lock (31441) ..... (ATTACHING PARTS)	1	
-4	AN505C6R7	. . SCREW, Machine	3	
	22K2-62	. . NUT (72962) ..... ---*---	3	
-5	255610-1	. . CABLE ASSEMBLY, Actuator to right ..... hand lid lock (31441)	1	
-6	255650	. . RELEASE ASSEMBLY, Manual (31441) ..... (ATTACHING PARTS)	1	
-7	M62FS632-7C	. . SCREW (02615) ..... ---*---	2	
-8	255500	. . LOCK ASSEMBLY, right hand lid (31441) .... (ATTACHING PARTS)	1	
-9	AN510C10R8	. . SCREW, Machine	4	
	AN960PD10L	. . WASHER, Flat	4	
	22K1-02	. . NUT (72962) ..... ---*---	4	
-10	255450-3	. . HANDLE ASSEMBLY, Kit release (31441) .... (ATTACHING PARTS)	1	
-11	NAS229-13	. . SCREW, Machine ..... ---*---	2	
-12	24482-1	. . ACTUATOR ASSEMBLY, Cable (31441) ..... (ATTACHING PARTS)	1	
-13	NAS229-13	. . SCREW, Machine ..... ---*---	1	
-14	255432	. . . COVER (31441) ..... (ATTACHING PARTS)	1	
-15	M62FS440-5C	. . . SCREW, (02615) ..... ---*---	4	
-16	255411-3	. . . LEVER ASSEMBLY, Primary (31441)	1	
-17	255420	. . . BUSHING (31441)	1	
-18	255414	. . . LINK ASSEMBLY, Secondary (31441)	1	
-19	MS51035-44	. . . SETSCREW	1	
-20	255457	. . . SPRING (31441)	1	
-21	255422	. . . PLUNGER (31441)	1	
-22	255426	. . . CAP, Locking (31441)	1	
-23	255427	. . . SPRING (31441)	1	
-24	255416	. . . CAM, Locking (31441)	1	

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-42-25	99008-1	. . . SETSCREW (31441)	1	
-26	255430	. . . HOUSING ASSEMBLY (31441)	1	
-27	3591-3CNX190	. . . . INSERT, Screw threaded (26344)	3	
-28	24859	. . PAD, Lower container	1	
-29	No Number	. CONTAINER ASSEMBLY, Lower	1	
-30	255510	. LOCK ASSEMBLY, Left hand lid (31441)	1	
		(ATTACHING PARTS)		
-31	AN510C10R8	. SCREW	4	
	AN960PD10L	. WASHER, Flat	4	
	22K1-02	. NUT (72962)	4	
		---*---		
	Notes: 1. Removed by ACC 332.			

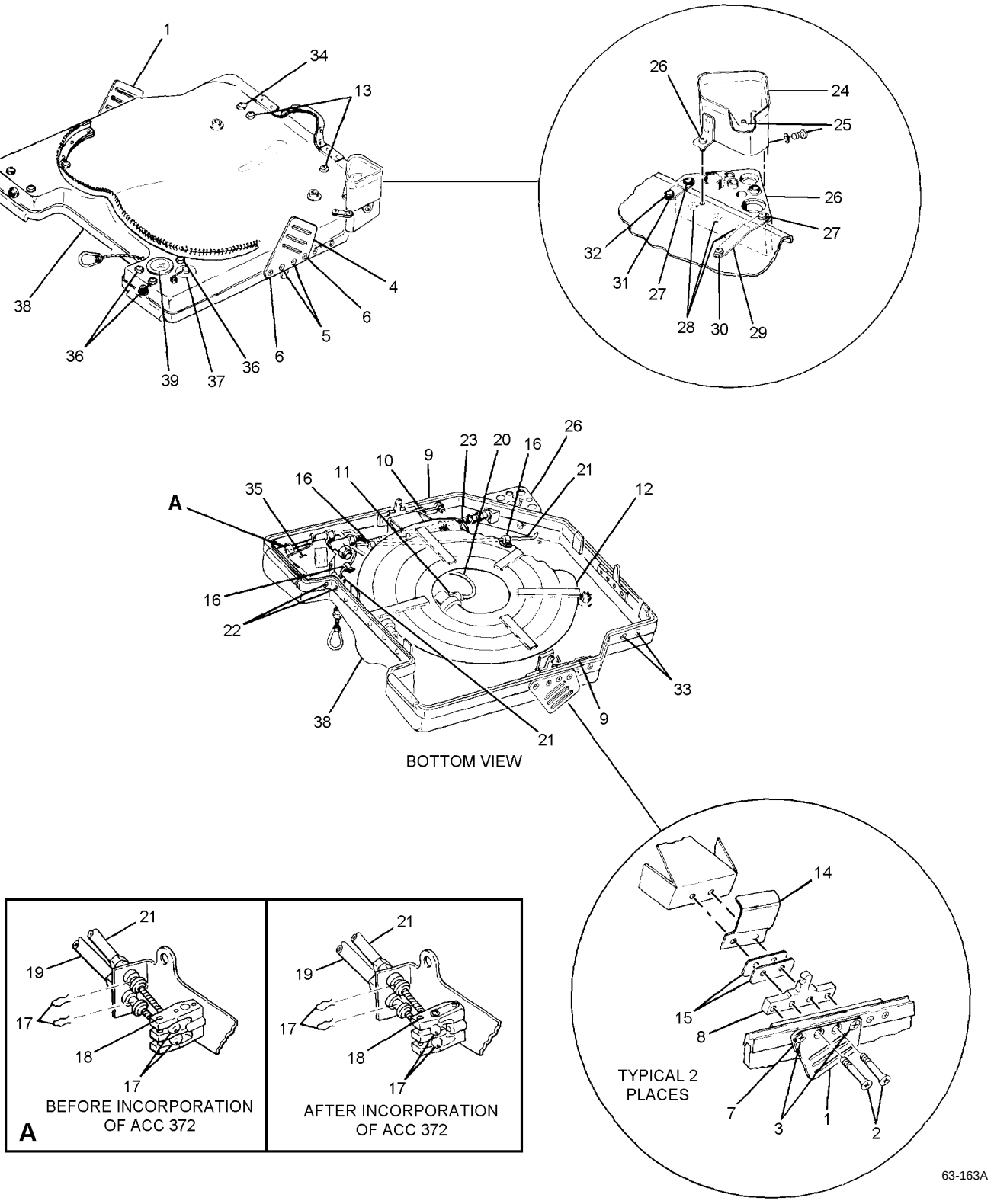


Figure 7-43. Upper Container Assembly-1 (Scott)

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-43	21001-3	CONTAINER ASSEMBLY, Upper ..... (See figure 7-41 for NHA)	REF	
-1	255706	. PLATE, Attachment RH (31441) ..... (ATTACHING PARTS)	1	
-2	AN510C10R24	. SCREW Machine	2	
-3	AN510C10R14-4	. SCREW Machine ..... ---*---	2	
-4	255705	. PLATE, Attachment LH (31441) ..... (ATTACHING PARTS)	1	
-5	AN510C10R20	. SCREW, Machine	2	
-6	AN510C10R14-4	. SCREW, Machine	2	
-7	23204-1	. SPACER	2	
	204C214-11	. SPACER (30941) ..... (Interchangeable with 23204-1)	2	
-8	255504	. HOOK, Lid lock (31441)	2	
-9	255211	. BRACKET, Footman (31141) ..... (ATTACHING PARTS)	2	
	COML	. SCREW, Hexagon socket button head	4	
	22K2-62	. NUT, Self-locking, cap (72962) ..... ---*---	4	
-10	255212	. SPACER, Footman bracket (31441)	4	
-11	AN816-3C	. NIPPLE	1	
-12	21132-1	. CYLINDER ASSEMBLY, Emergency oxygen .... (ATTACHING PARTS)	1	
-13	AN525-416R24	. SCREW, Machine	2	
	AN970-4	. WASHER, Flat	4	
	AN960-416L	. WASHER, Flat	AR	
	NAS43-4-52	. SPACER, Sleeve	2	
	MS20364-428A	. NUT, Self-locking, hexagon ..... ---*---	2	
-14	23578-1	. BRACKET, Exhaust vent hose	1	
-15	21189	. SHIM, Emergency oxygen cylinder	AR	
-16	EC2	. CLAMP, Loop (06915) ..... (ATTACHING PARTS)	3	
	AN525-832R7	. SCREW, Machine	3	
	AN960-8	. WASHER, Flat	3	
	MS20364-832	. NUT, Self-locking, hexagon ..... ---*---	3	
-17	20415	. PIN, Cotter (91260)	2	
-18	MS24665-87	. PIN, Spring	1	
-19	21025-1	. LANYARD ASSEMBLY, Oxygen bottle ..... actuating	1	
-20	21038	. TUBE ASSEMBLY, Oxygen high pressure	1	

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-43-21	23402-3	. ACTUATOR ASSEMBLY, Oxygen	1	
		(ATTACHING PARTS)		
-22	MS35216-41	. SCREW	2	
	MS20364-832A	. NUT, Self-locking, hexagon	2	
		---*---		
-23	25220-1	. HOSE ASSEMBLY, Oxygen manifold to	1	
		block disconnect		
-24	24712-1	. GUIDE ASSEMBLY, Disconnect block	1	
		(ATTACHING PARTS)		
-25	MS35216-39	. SCREW	2	
	AN960-8	. WASHER, Flat	2	
	AN936A8	. WASHER, Lock	2	
-26	MS35216-41	. SCREW	1	
	AN960-8L	. WASHER, Flat	AR	
	MS20364-832A	. NUT, Self-locking, hexagon	1	
		---*---		
	21006-7	. BLOCK ASSEMBLY, Intermediate	1	
		disconnect (31441) (Altered from 242300-7)		
		(See figure 7-46 for BKDN)		
		(ATTACHING PARTS)		
-27	MS35217-53	. SCREW	2	
	AN960-10L	. WASHER, Flat	2	
-28	MS35217-55	. SCREW	3	
	AN960PD10L	. WASHER, Flat	3	
		---*---		
-29	21649	. STRAP, Disconnect block retaining LH	2	
		(ATTACHING PARTS)		
-30	MS35216-41	. SCREW	1	
	AN960-8L	. WASHER, Flat	1	
	MS20364-832A	. NUT, Self-Locking, Hexagon	1	
		---*---		
-31	21648	. STRAP, Disconnect block retainer RH	1	
		(ATTACHING PARTS)		
-32	MS35216-41	. SCREW	1	
	AN960-8L	. WASHER, Flat	1	
	MS20364-832A	. NUT, Self-locking, hexagon	1	
		---*---		
-33	AN507C832R7	. SCREW, Machine	2	
	AN960PD8L	. WASHER, Flat	AR	
-34	AN515-8R6	. SCREW, Machine	1	
	AN960PD8L	. WASHER, Flat	1	

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-43-35	21051-19	. REDUCER/MANIFOLD ASSEMBLY . . . . . . (Supersedes 21051-13 and 21051-15) (Parts kits available) (See figure 7-47 for BKDN) (ATTACHING PARTS)	1	
-36	AN525-10R12	. SCREW, Machine	3	
	AN960-10L	. WASHER, Flat	6	
	NAS43DD3-16	. SPACER, Sleeve	3	
-37	20072	. BUTTON ASSEMBLY, Plug	1	
-38	25341-3	. UPPER CONTAINER	1	
-39	20395	. WINDOW, Pressure reducer manifold gage	1	
	Notes: 1. P/N 21051-19 contains KEL-F type valve seat.			

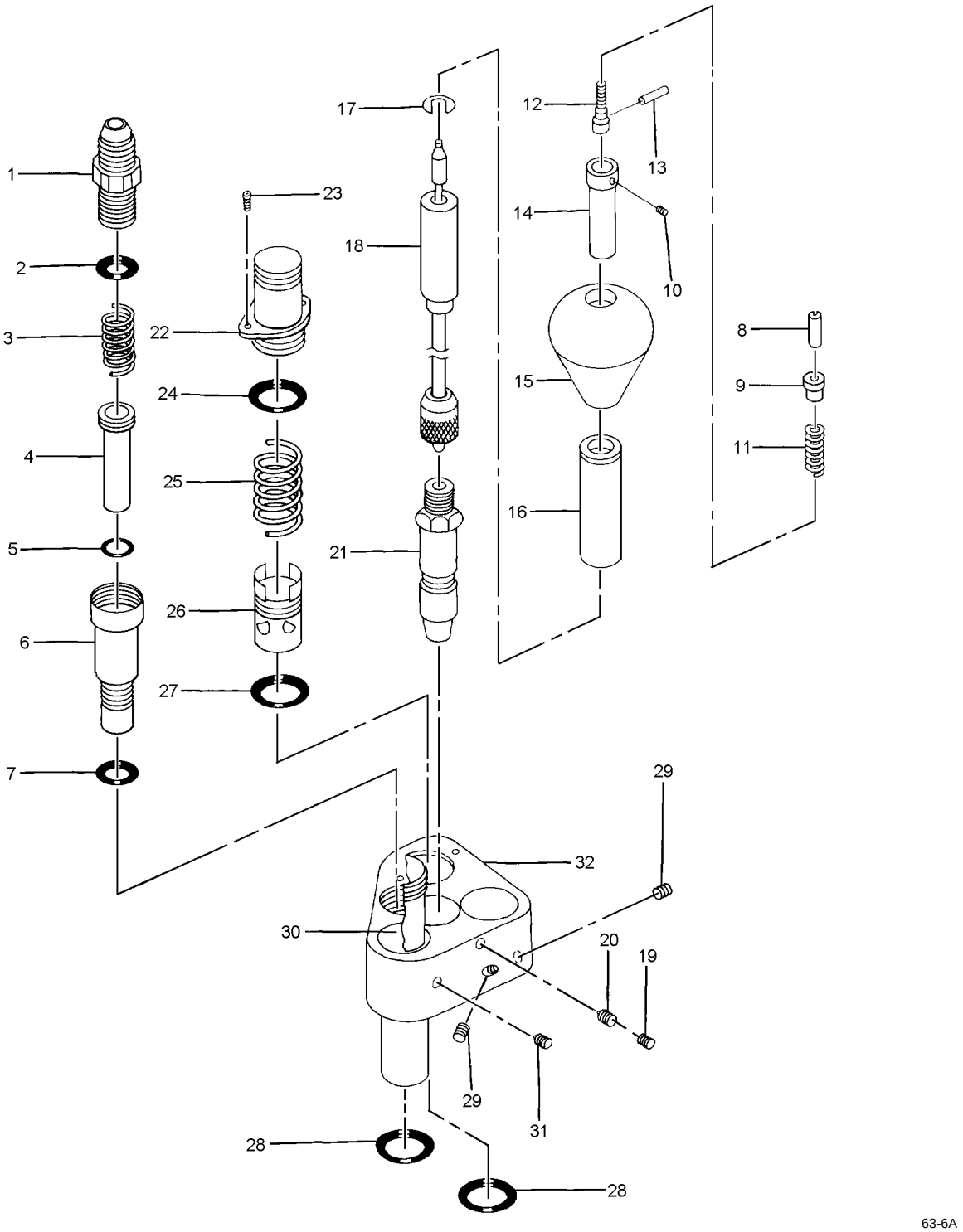


Figure 7-44. Upper Block Assembly-1 (Scott)

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-44	21133-7	BLOCK ASSEMBLY, Upper (Parts kit available) .... (See figure 7-41 for NHA)	REF	
	183D100-1	BLOCK ASSEMBLY, Upper (30941) ..... (Parts kit available) (See figure 7-41 for NHA) (Interchangeable with 21133-7)	REF	
-1	10000550	. FITTING, Hose connector	1	
-2	3-4-S417-7	. PACKING, Preformed (02697) (KC)	1	
-3	10000549	. SPRING, Helical compression	1	
-4	10000547	. SLEEVE	1	
-5	2800A5A	. PACKING, Preformed (KC)	1	
-6	10000548	. BODY	1	
-7	3-4-S417-7	. PACKING, Preformed (02697)	1	
	40218-13	. BLOCK SUBASSEMBLY, Upper	1	
	26338-01	. . LANYARD ASSEMBLY, Manual Actuation ...	1	
	26331-01	. . . INDICATOR, Lock assembly	1	
-8	26332	. . . . INDICATOR, Manual release ..... (Apply sealing compound, grade E)	1	
-9	26334	. . . . SLEEVE, Manual release ..... (ATTACHING PARTS)	1	
-10	AN565D2H2	. . . . SETSCREW ..... (Apply sealing compound, grade E) ---*---	1	
-11	26335	. . . . SPRING, Helical compression	1	
-12	26336	. . . . FOLLOWER	1	
-13	26337	. . . . PIN, Lock	1	
-14	26333	. . . . RETAINER, Knob	1	
-15	56494-00	. . . HAND KNOB, Manual release	1	
-16	26343	. . . SLEEVE, Housing	1	
-17	26339	. . . KEY, Shaft	1	
-18	26327-01	. . . RETENTION ASSEMBLY, Hand knob ..... (Apply sealing compound, grade E)	1	
	24475-01	. . LOCK PIN ASSEMBLY, Manual Release ..... (Note 1)	1	
	24475-03	. . LOCK PIN ASSEMBLY, Manual Release ..... (Note 1)	1	
	24475-05	. . LOCK PIN ASSEMBLY, Manual Release ..... (Note 1)	1	
	24475-07	. . LOCK PIN ASSEMBLY, Manual Release ..... (Note 1) (ATTACHING PARTS)	1	
-19	MS59625-27	. . SETSCREW	1	
-20	24484-01	. . SETSCREW ..... ---*---	1	
-21	800289-00	. . . LOCK PIN ASSEMBLY, Blank	1	

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-44-22	19310-00	. . FITTING Hose, vent	1	
		(ATTACHING PARTS)		
-23	19912-00	. . SCREW, Machine	2	
		(Apply sealing compound, grade E)		
		---*---		
-24	2-15S418-6	. . PACKING, Preformed (02697) (KC)	1	
-25	10000815	. . SPRING, Helical, compression	1	
-26	40026	. . VALVE, Check	1	
-27	2-15S418-6	. . PACKING, Preformed (02697) (KC)	1	
-28	2-17B318-7	. . PACKING, Preformed (02697) (KC)	2	
-29	MS51977-29	. . SETSCREW	2	
-30	19970	. . FITTING, Hose, anti-g	1	
		(ATTACHING PARTS)		
-31	MS51977-29	. . SETSCREW	1	
		(Apply sealing compound, grade E)		
		---*---		
-32	56497-00	. . HOUSING, Upper block	1	
	26936	PARTS KIT, Upper block assembly (KC)	1	
	Notes: 1. Select one at assembly.			

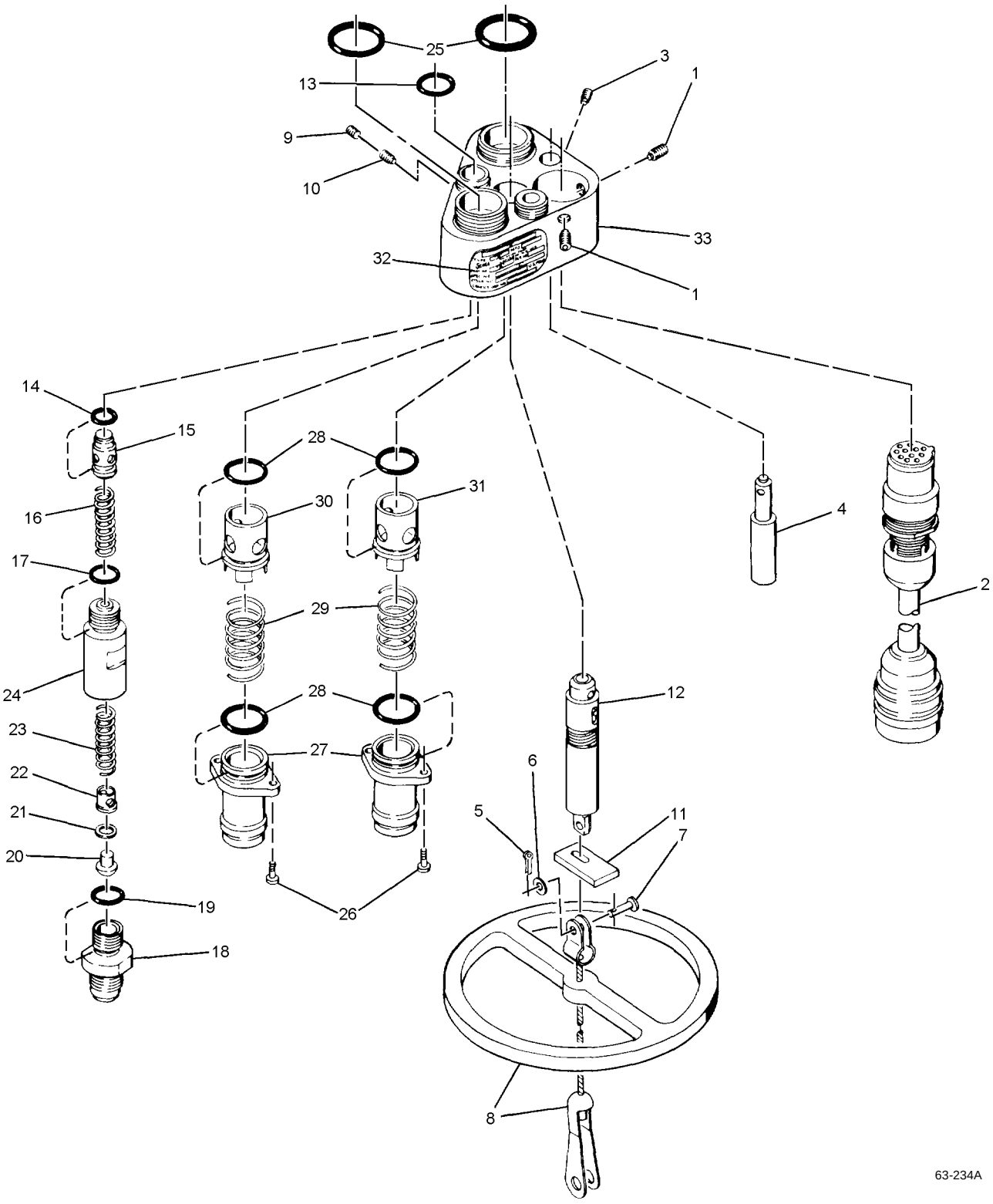


Figure 7-45. Lower Block Assembly-1 (Scott)

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-45	21007-5	BLOCK ASSEMBLY, Lower (Parts kit available) . . . . (Altered from 242400-3) (31441) (See figure 7-38 for NHA)	REF	
-1	AN565E8H3	. SETSCREW (KF)	2	
-2	21020-3	. CABLE ASSEMBLY, Survival kit	1	
-3	MS51041-29	. SETSCREW (KF)	1	
-4	24210-3	. PIN ASSEMBLY, Emergency oxygen lock . . . . . (31441)	1	
-5	AN381-2-5	. PIN, Cotter (KF)	1	
-6	AN960C4	. WASHER, Flat (KF)	1	
-7	AN392-9	. PIN, Flathead (KF)	1	
-8	242430	. CABLE ASSEMBLY, Lockpin (31441)	1	
-9	MS51025-27	. SETSCREW (KF)	1	
-10	24484-1	. SETSCREW (31441) (KF)	1	
-11	24471-1	. TAB, Indicator (31441) (KF)	1	
-12	24473-1	. PIN ASSEMBLY, Lower lock (31441) . . . . . (Note 1)	1	
	24473-3	. PIN ASSEMBLY, Lower lock (31441) . . . . . (Note 1)	1	
	24473-5	. PIN ASSEMBLY, Lower lock (31441) . . . . . (Note 1)	1	
	24473-7	. PIN ASSEMBLY, Lower lock (31441) . . . . . (Note 1)	1	
-13	2-12B278-7	. PACKING, O-Ring (45681) (KF)	1	
-14	2-10-76-128	. PACKING, O-Ring (45681) (KF)	1	
-15	242405	. VALVE, Check (31441)	1	
-16	242406	. SPRING (31441) (KF)	1	
-17	3-4-77-018	. PACKING, O-Ring (45681) (KF)	1	
	242450	. VALVE ASSEMBLY, Check (31441)	1	
-18	242449	. . FITTING (31441)	1	
-19	3-4-77-018	. . PACKING, O-Ring (45681) (KF)	1	
-20	242445	. . POPPET (31441) (KF)	1	
-21	242443	. . WASHER (31441) (KF)	1	
-22	242442	. . SLEEVE (31441)	1	
-23	24216-1	. . SPRING	1	
-24	242448	. . BODY (31441)	1	
-25	2-17B278-7	. PACKING, O-Ring (45681) (KF)	2	
-26	MS35457-1	. SCREW, Cap (KF)	4	
-27	242106	. FITTING, Hose vent (31441)	2	
-28	2-15-76-128	. PACKING, O-Ring (45681) (KF)	4	
-29	242108	. SPRING (31441) (KF)	2	
-30	242407	. VALVE, Check (31441)	1	
-31	242415-3	. VALVE, Check (31441)	1	
-32	21184-5	. PLATE, Identification	1	

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-45-33	242402-3	. BLOCK ASSEMBLY, Lower disconnect brazed . . . (31441)	1	
	25518	PARTS KIT, Field repair, lower block	1	
	Notes: 1. Select one at assembly.			

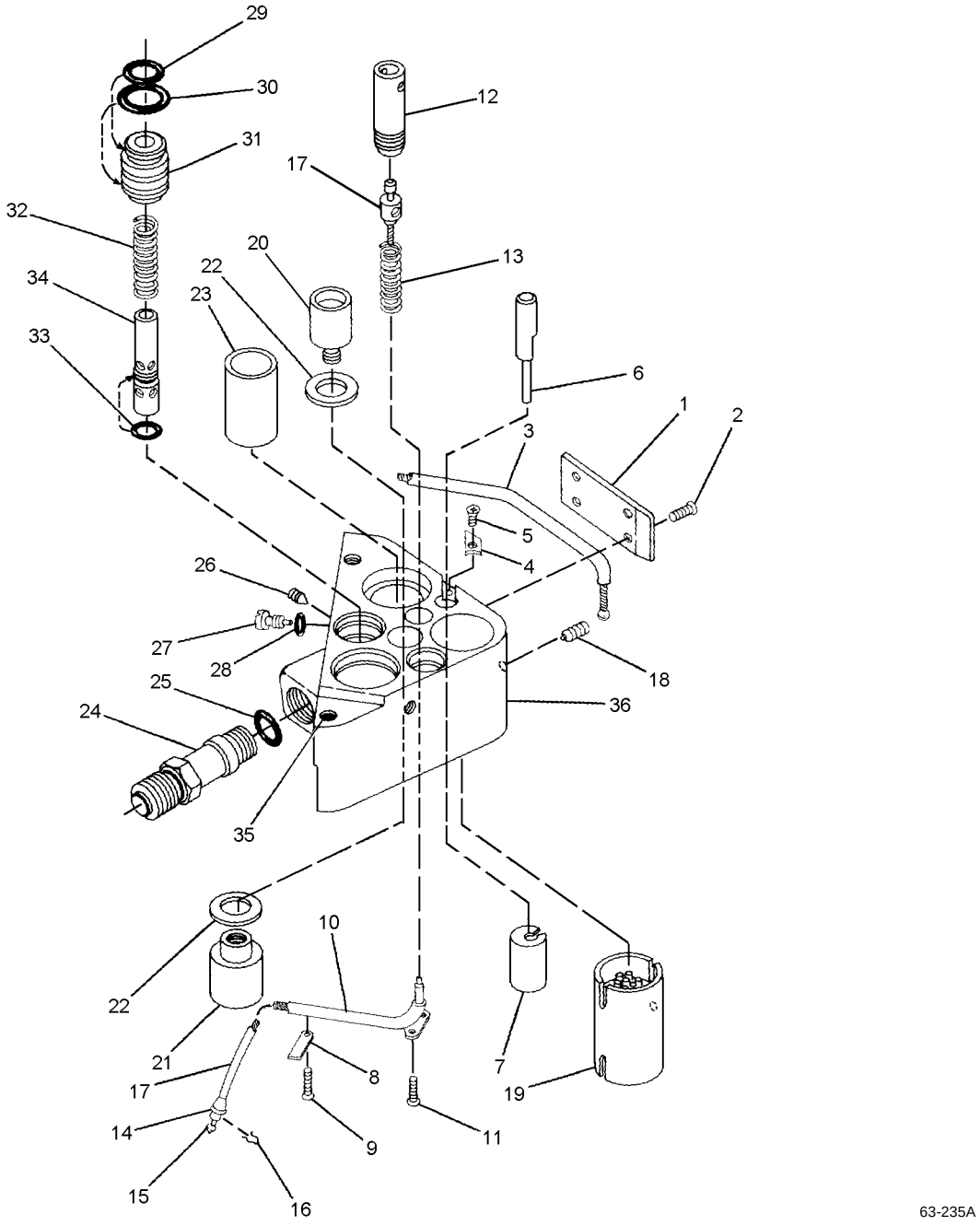


Figure 7-46. Intermediate Block Assembly-1 (Scott)

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-46	21006-7	BLOCK ASSEMBLY, Intermediate . . . . . (Altered from 242300-7) (31441) (See figure 7-43 for NHA)	REF	
-1	242424	. COVER, Conduit (31441) . . . . . (ATTACHING PARTS)	1	
-2	MS35200-3	. SCREW, Machine . . . . . ---*---	4	
-3	21025-1	. LANYARD ASSEMBLY, Oxygen actuation	1	
-4	242321	. RETAINER, Ball-lock pin (31441) . . . . . (ATTACHING PARTS)	1	
-5	MS35190-2	. SCREW, Machine . . . . . ---*---	1	
-6	242320	. PIN, Ball-lock (31441)	1	
-7	242322-3	. SLEEVE (31441)	1	
-8	242335	. RETAINER, Tube (31441) . . . . . (ATTACHING PARTS)	1	
-9	MS35190-3	. SCREW, Machine . . . . . ---*---	1	
-10	242340	. SUPPORT ASSEMBLY, Tube (31441) . . . . . (ATTACHING PARTS)	1	
-11	MS35190-3	. SCREW, Machine . . . . . ---*---	2	
-12	242333	. SLEEVE, Interlocking cable (31441)	1	
-13	242309-1	. SPRING (31441)	1	
-14	21162	. FITTING, Tube end	1	
-15	RAL2487-047 125	. TERMINAL, Ball (01976)	1	
-16	20415	. PIN, Cotter	1	
-17	242345	. CABLE & PROBE ASSEMBLY, Block disconnect (31441)	1	
-18	AN565E8H3	. SETSCREW	1	
-19	242380	. CONNECTOR, Electrical receptacle (31441) . . . . . (Altered from 14086-12P, 17419)	1	
-20	24485-1	. INSERT, Ball-lock pin retention male . . . . . (31441)	1	
-21	24486-1	. INSERT, Ball-lock pin retention female . . . . . (31441)	1	
-22	242373	. SHIM (31441)	AR	
-23	24Z302	. SLEEVE, Interlocking (31441)	1	
-24	242336	. CONNECTOR, Oxygen inlet (31441)	1	
-25	3-4-77-018	. PACKING, O-ring (45681)	1	
-26	MS51034-10	. SETSCREW	2	
-27	242306	. SCREW, Sleeve retainer (31441)	1	
-28	2-4S418-6	. PACKING, O-ring (45681)	1	

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-46-29	2-12B278-7	. PACKING, O-ring (45681)	1	
-30	2800C13A	. PACKING, O-ring	1	
-31	242305	. PLUG, Interface (31441)	1	
-32	242304	. SPRING (31441)	1	
-33	2-10S418-6	. PACKING, O-Ring (45681)	1	
-34	242303	. VALVE, Oxygen check (31441)	1	
-35	3591-3CNX285	. INSERT, Screw threaded (26344)	5	
-36	242301-3	. HOUSING, Intermediate block (31441)	1	

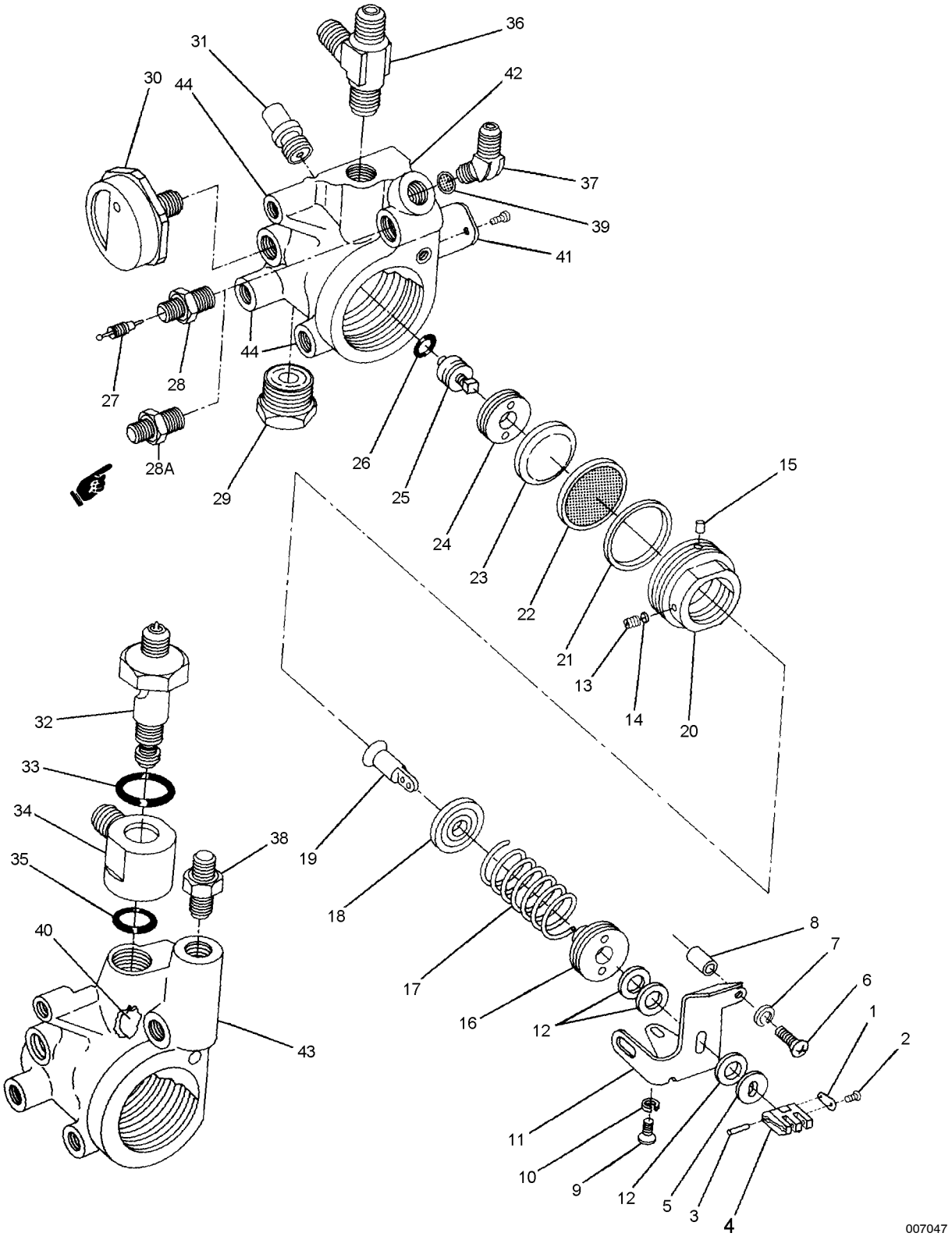


Figure 7-47. Reducer/Manifold Assembly-1 (Scott)

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-47	21051-19	REDUCER/MANIFOLD ASSEMBLY ..... (See figure 7-43 for NHA) (Supersedes 21051-13 and 21051-15) (Parts kit available)	REF	
	21051-15	REDUCER/MANIFOLD ASSEMBLY ..... (Alternate for 21051-13) (Parts kit available) (See figure 7-43 for NHA) (Superseded by 21051-19)	REF	
	21051-13	REDUCER/MANIFOLD ASSEMBLY ..... (Alternate for 21051-15) (Superseded by 21051-19)	REF	
-1	22398-1	. SPRING ASSEMBLY, Detent (KF) ..... (ATTACHING PARTS)	1	
-2	AN520-0-2	. SCREW, Machine ..... ---*---	1	
-3	MS171494	. PIN	1	
-4	21030	. ARM, Toggle	1	
-5	22021	. SPACER (KF)	1	
-6	AN515-4R10	. SCREW, Machine (KF)	1	
-7	AN935-4L	. WASHER, Lock (KF)	1	
-8	NAS42DD4-24	. SPACER, Sleeve (KF)	1	
-9	AN515-4R3	. SCREW, Machine (KF)	1	
-10	AN935-4L	. WASHER, Lock (KF)	1	
-11	25342	. BRACKET, Manifold support ..... (Alternate for 21120)	1	
	21120	. BRACLET, Manifold support ..... (Alternate for 25342)	1	
-12	20364	. SPACER, 0.012 in. thick (KF) (Note 1)	AR	
	20364-01	. SPACER, 0.020 in. thick (KF) (Note 1)	AR	
	20364-02	. SPACER, 0.025 in. thick (KF) (Note 1)	AR	
-13	AN565DC6H2	. SETSCREW (KF)	1	
-14	20082	. INSERT, Nylon (KF)	1	
-15	11622-04	. PLUG	1	
-16	20042-3	. RETAINER	1	
-17	8374-1	. SPRING, Adjusting	1	
-18	22293-01	. PLATE, Thrust	1	
-19	22292-03	. PIN, Thrust	1	
-20	20041	. SLEEVE (Torque 30 ±5 in-lbs)	1	
-21	11597	. RING, Slip (KF)	1	
-22	11594	. DIAPHRAGM, Silicone (KC)	1	
-23	20057	. PLATE, Thrust (KF)	1	
-24	20062	. RETAINER (KF)	1	
-25	22276-2	. VALVE ASSEMBLY, Pressure reducer	1	
-26	2800A6A	. PACKING, O-ring (KC)	1	
	221B380-1	. VALVE ASSEMBLY, Filler	1	

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-47-27	20018	. . CORE, Valve (Note 2)	1	
-28	20046	. . BODY, Filler valve	1	
-28A	9120097-27	. FILL VALVE (Note 3)	1	
-29	6552	. PLUG ASSEMBLY, Safety	1	
-30	20430	. GAGE, Oxygen pressure	1	
-31	5043-6	. VALVE ASSEMBLY, Relief	1	
-32	25271-1	. VALVE ASSEMBLY, Surge Control	1	
-33	2827-27	. PACKING, O-ring (KC)	1	
-34	25266	. ELBOW, Universal	1	
-35	2800B5A	. PACKING, O-ring (KC)	1	
-36	24490	. VALVE ASSEMBLY, Surge control (Alternate for AN826-5D)	1	
	AN826-5D	. VALVE ASSEMBLY, Surge control (Alternate for 24490)	1	
-37	AN823-3C	. ELBOW, Tube	1	
-38	AN816-3C	. NIPPLE	1	
-39	8820-2	. FILTER, Screen	1	
-40	22639-11	. FILTER, Screen	1	
-41	11470	. PLATE, Identification (ATTACHING PARTS)	1	
	AN535-00-2	. SCREW, Drive, round head ---*---	2	
-42	21052-3	. BODY ASSEMBLY, Manifold	1	
-43	25264-1	. BODY ASSEMBLY, Manifold	1	
-44	3591-3CNX285	. . INSERT, Screw threaded (26344)	3	
	26490	PARTS KIT, Field repair, reducer/manifold (KF)	1	
	26488	PARTS KIT, Cure date, reducer/manifold (KC)	1	

Notes:
1. Select one at assembly.
2. Use valve core tool P/N 2688 CAGE 27783 NIIN 00-541-4687 for removal of valve core.
3. Fill Valve can be used as an alternate to replace Filler Valve Assembly P/N 221B380-1 or Valve Core P/N 20018 and Body P/N 20046.

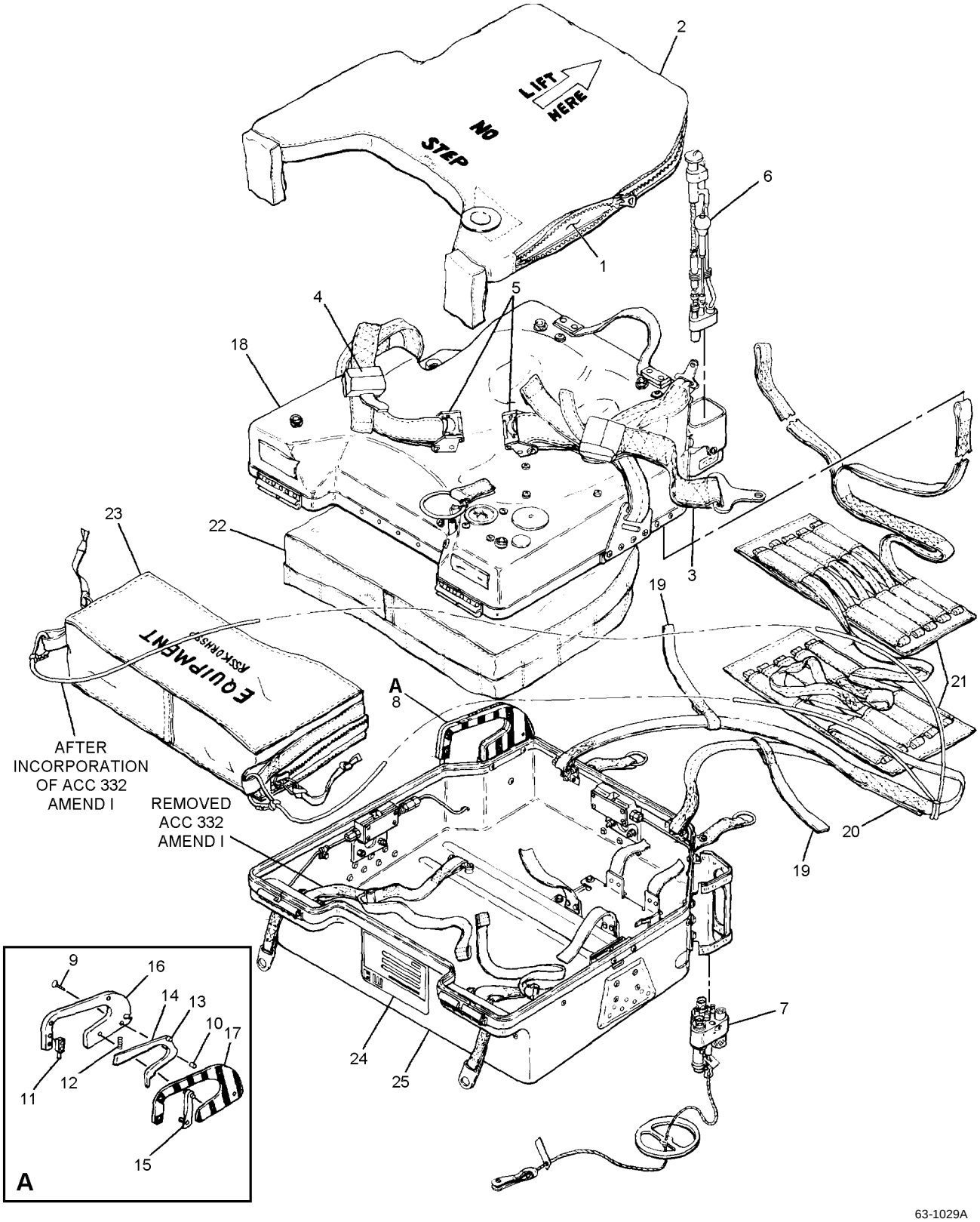


Figure 7-48. Rigid Seat Survival Kit-1A (East/West)

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-48	67A73J100-2	SURVIVAL KIT ASSEMBLY RSSK-1A (30003)	1	
	204D670-1	. CUSHION ASSEMBLY	1	
-1	204D601-1	. . CUSHION	1	
-2	204D671-1	. . COVER	1	
-3	67A73E6-11	. HARNESS ASSEMBLY, LH	1	
	64A73E6-12	. HARNESS ASSEMBLY, RH	1	
-4	1195AS114-1	. . ADJUSTER, Restraint harness ..... (After ACC 472)	2	
	184C100-1	. . ADJUSTER, Restraint harness (30941) ..... (Interchangeable with 1195AS114-1 in pairs only)	2	
-5	015-11365-1	. RELEASE ASSEMBLY, Lapbelt (99449) ..... (Note 1)	2	
-6	183D100-1	. BLOCK ASSEMBLY, Upper ..... (See figure 7-49 for BKDN)	1	
	21133-7	. BLOCK ASSEMBLY, Upper (92114) ..... (See figure 7-37 for BKDN) (Interchangeable with 183D100-1)	1	
-7	183D200-1	. BLOCK ASSEMBLY, Lower ..... (See figure 7-50 for BKDN)	1	
	21007-5	. BLOCK ASSEMBLY, Lower (92114) ..... (See figure 7-38 for BKDN) (Interchangeable with 183D200-1)	1	
-8	204D550-1	. HANDLE ASSEMBLY, Release	1	
-9	MS24667-9	. . SCREW, Cap socket hd (Note 2)	5	
-10	204C713-11	. . BUSHING	3	
-11	204C554-11	. . PIN, Anchor	1	
-12	EW51018	. . SPRING, Helical	1	
	10000827	. . SPRING, Helical (92114) ..... (Interchangeable with EW51018)	1	
	204C710-1	. . LATCH ASSEMBLY	1	
-13	204C711-11	. . . PIN	1	
-14	204C712-11	. . . LATCH	1	
-15	204C705-1	. . LINK ASSEMBLY	1	
-16	204D501-12	. . HANDLE, RH	1	
-17	204D501-11	. . HANDLE, LH	1	
-18	204J200-1	. CONTAINER ASSEMBLY, Upper ..... (See figure 7-51 for BKDN)	1	
	36H1323-31	. LANYARD ASSEMBLY, Retaining (30003)	1	
	102D620-3	. LANYARD ASSEMBLY, Retaining (30941)	1	
-19	36H1323-10	. . LANYARD, Equipment container	2	
	102D622-10	. . LANYARD, Equipment container (30941)	2	

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-48-20	36H1323-34	. . DROPLINE LANYARD ASSEMBLY	1	
	102D622-3	. . DROPLINE LANYARD (30941)	1	
-21	36H1323-3	. . BOOT ASSEMBLY	2	
	102C621-1	. . BOOT ASSEMBLY (30941)	2	
-22	36D1258-1	. COVER, Raft protective (30003)	1	
	204D610-1	. COVER, Raft protection (30941)	1	
-23	68A77D4-1	. CONTAINER ASSEMBLY, Equipment . . . . . (80206)	1	
	102D615-1	. CONTAINER ASSEMBLY, Equipment . . . . . (30941)	1	
-24	204C912-11	. NAMEPLATE	1	
-25	204J400-1	. CONTAINER ASSEMBLY, Lower . . . . . (See figure 7-54 for BKDN)	1	
	Notes: 1. When replacing lapbelt assembly, apply sealing, locking, and retaining compound, MIL-S-22473, to shoulder screws. 2. Apply Sealing Compound Grade E.			

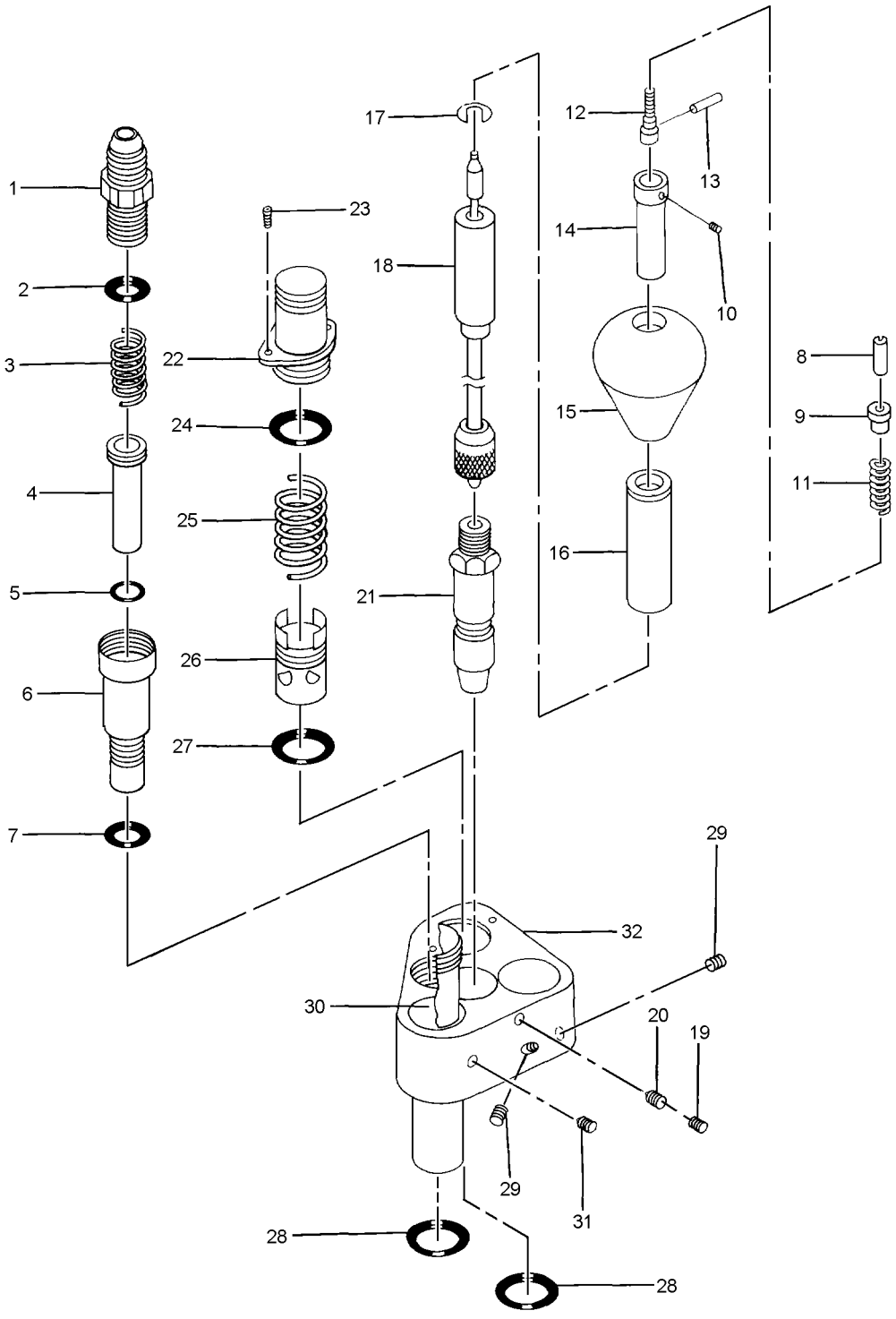


Figure 7-49. Upper Block Assembly (East/West)

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-49	183D100-1	BLOCK ASSEMBLY, Upper (See figure 7-48 for NHA)	REF	
	21133-7	BLOCK ASSEMBLY, Upper (92114) (See figure 7-48 for NHA) (Interchangeable with 183D100-1)	REF	
-1	183C112-11	. FITTING, Hose connector	1	
-2	EW62007	. PACKING, Preformed	1	
-3	EW51012	. SPRING, Helical compression	1	
-4	183C113-11	. SLEEVE	1	
-5	EW62008	. PACKING, Preformed	1	
-6	183C114-11	. BODY	1	
-7	EW62007	. PACKING, Preformed	1	
	183C115-1	. BLOCK SUBASSEMBLY, Upper	1	
	183C116-1	. . LANYARD ASSEMBLY, Manual actuation	1	
	183C117-1	. . . INDICATOR, Lock assembly	1	
-8	183B118-11	. . . . INDICATOR, Manual release (Note 1)	1	
-9	183B119-11	. . . . SLEEVE, Manual release (ATTACHING PARTS)	1	
-10	AN565D2H2	. . . . SETSCREW, Hexagon (Note 1) ---*---	1	
-11	EW51013	. . . . SPRING, Helical compression	1	
-12	183B120-11	. . . . FOLLOWER	1	
-13	183B121-11	. . . . PIN, Lock	1	
-14	183C122-11	. . . . RETAINER, Knob	1	
-15	183C123-11	. . . HAND KNOB, Manual release	1	
-16	183C124-11	. . . SLEEVE, Housing	1	
-17	183B125-11	. . . KEY, Shaft	1	
-18	183D126-11	. . . RETENTION ASSEMBLY, Hand knob (Note 1)	1	
	183D127-1	. . LOCK PIN ASSEMBLY, Manual release (ATTACHING PARTS)	1	
-19	MS51965-27	. . SETSCREW		
-20	EW41010	. . SETSCREW	1	
-21	183D128-1	. . . LOCK PIN ASSEMBLY, Blank	1	
-22	183C203-11	. . FITTING, Hose vent (ATTACHING PARTS)	1	
-23	183B108-11	. . SCREW, Machine (Note 1) ---*---	2	
-24	EW62009	. . PACKING, Preformed	1	
-25	EW51014	. . SPRING, Helical compression	1	
-26	183C204-11	. . VALVE, Check	1	
-27	EW62009	. . PACKING, Preformed	1	
-28	EW62010	. . PACKING, Preformed	2	
-29	MS51977-29	. . SETSCREW	2	

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-49-30	183C129-11	. . FITTING, Hose anti-g	1	
		(ATTACHING PARTS)		
-31	MS51977-29	. . SETSCREW (Note 1)	1	
		---*---		
-32	183D130-11	. . HOUSING, Upper block	1	
	Notes: 1. Apply Sealing Compound Grade E.			

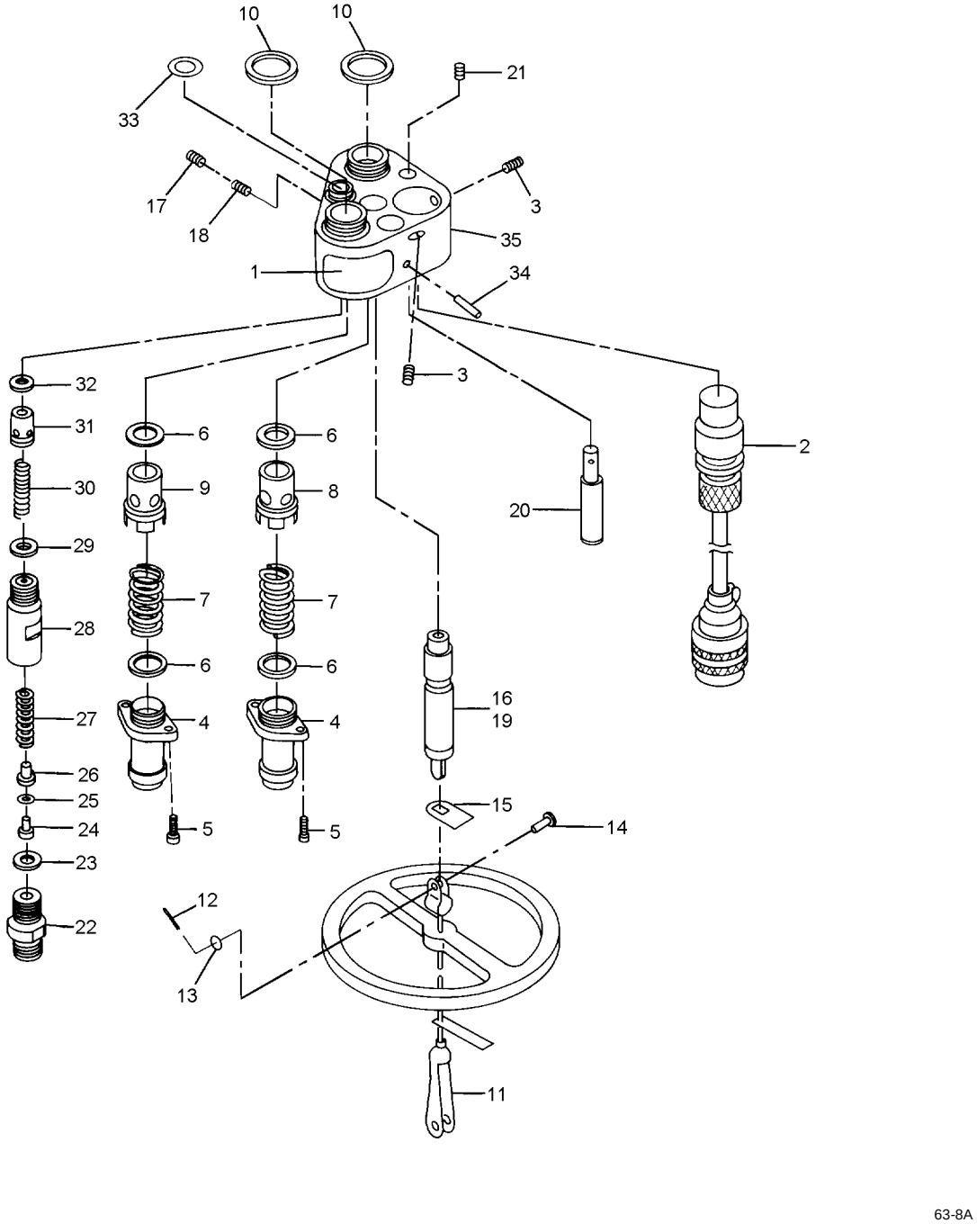


Figure 7-50. Lower Block Assembly (East/West)

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-50	183D200-1	BLOCK ASSEMBLY, Lower (See figure 7-48 for NHA)	REF	
	21007-5	BLOCK ASSEMBLY, Lower (92114) (See figure 7-48 for NHA) (Interchangeable with 183D200-1)	REF	
-1	183B201-11	. PLATE, Identification	1	
-2	183C202-11	. CABLE ASSEMBLY, Electrical	1	
	183C202-13	. BLOCK SUBASSEMBLY, Lower	1	
-3	MS51977-29	. . SETSCREW	2	
-4	183C203-11	. . FITTING, Hose (ATTACHING PARTS)	2	
-5	EW41011	. . SCREW, Machine (Note 1) ---*---	2	
-6	EW62009	. . PACKING, Preformed	4	
-7	EW51014	. . SPRING, Helical compression	2	
-8	183C204-11	. . VALVE, Check	1	
-9	183C205-11	. . VALVE, Check	1	
-10	EW62010	. . PACKING, Preformed	2	
-11	183B104-1	. . CABLE ASSEMBLY, Lock pin (ATTACHING PARTS)	1	
-12	AN381-2-5	. . PIN	1	
-13	AN960C4	. . WASHER, Flat	1	
-14	MS20392-1C9	. . PIN ---*---	1	
-15	183B102-11	. . INDICATOR, Lock pin	1	
-16	183C206-1	. . PIN, Lock assembly (Note 2)	1	
	183C206-3	. . PIN, Lock assembly (Note 2)	1	
	183C206-5	. . PIN, Lock assembly (Note 2)	1	
	183C206-7	. . PIN, Lock assembly (Note 2) (ATTACHING PARTS)	1	
-17	MS51965-27	. . SETSCREW	1	
-18	EW41010	. . SETSCREW ---*---	1	
-19	183B207-1	. . PIN, Lock assembly blank	1	
-20	183C208-1	. . PIN, Lock assembly (ATTACHING PARTS)	1	
-21	MS51977-29	. . SETSCREW (Note 1) ---*---	1	
	183B209-1	. . CHECK VALVE ASSEMBLY	1	
-22	183C210-11	. . . FITTING	1	
-23	EW62007	. . . PACKING, Preformed	1	
-24	183B211-11	. . . POPPET	1	
-25	EW43002	. . . WASHER	1	
-26	183B212-11	. . . SLEEVE	1	

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-50-27	EW51015	. . . SPRING, Helical compression	1	
-28	183C213-11	. . . BODY	1	
-29	EW62007	. . PACKING, Preformed	1	
-30	EW51016	. . SPRING, Helical compression	1	
-31	183C214-11	. . VALVE, Check	1	
-32	EW62011	. . PACKING, Preformed	1	
-33	EW62012	. . PACKING, Preformed	1	
-34	MS171436	. . PIN, Spring	1	
-35	183D215-11	. . BODY	1	
	Notes: 1. Apply Sealing Compound EW31004. 2. Select one at assembly.			

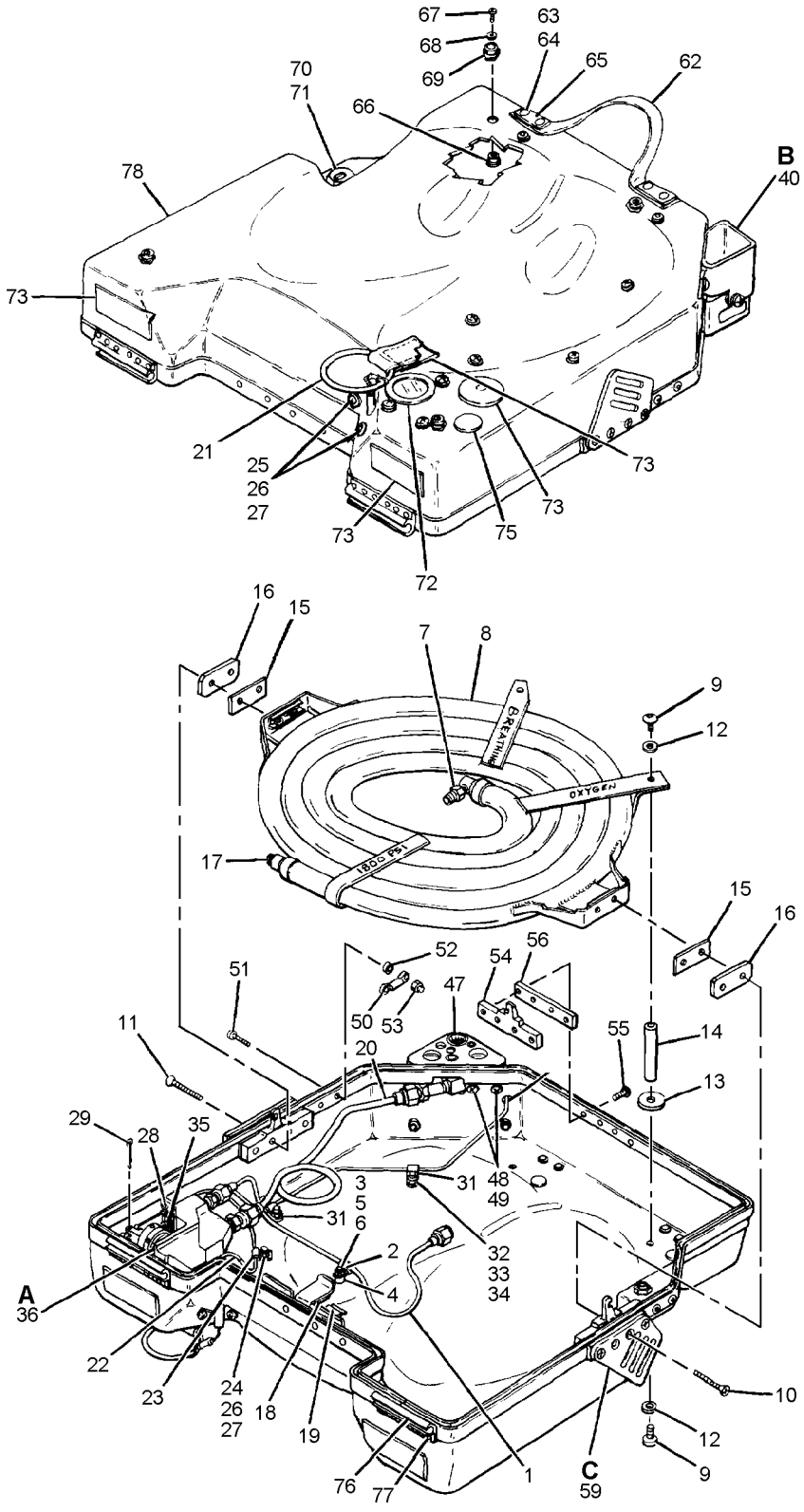


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Figure 7-51. Upper Container Assembly (East/West) (Sheet 1 of 2)

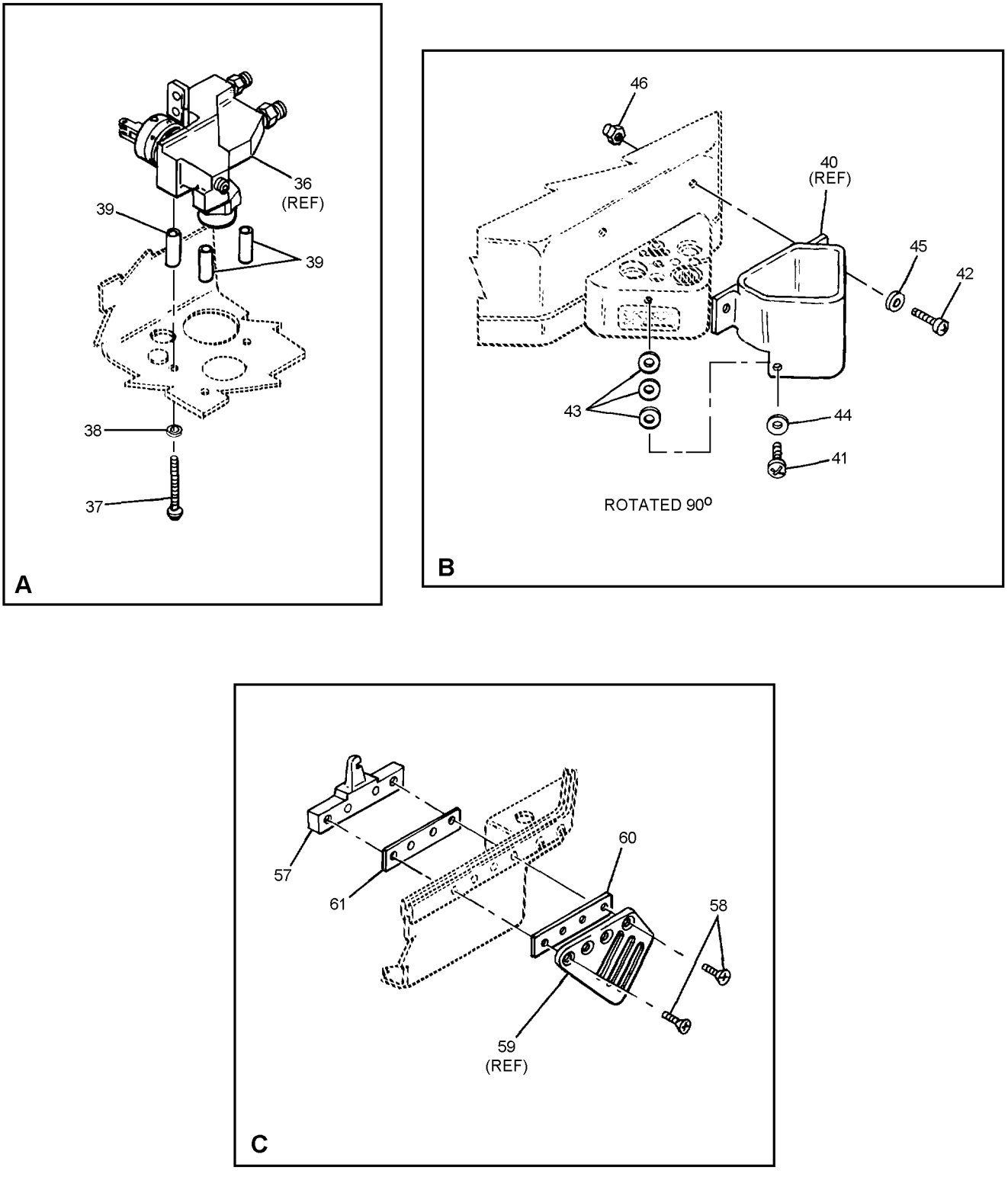


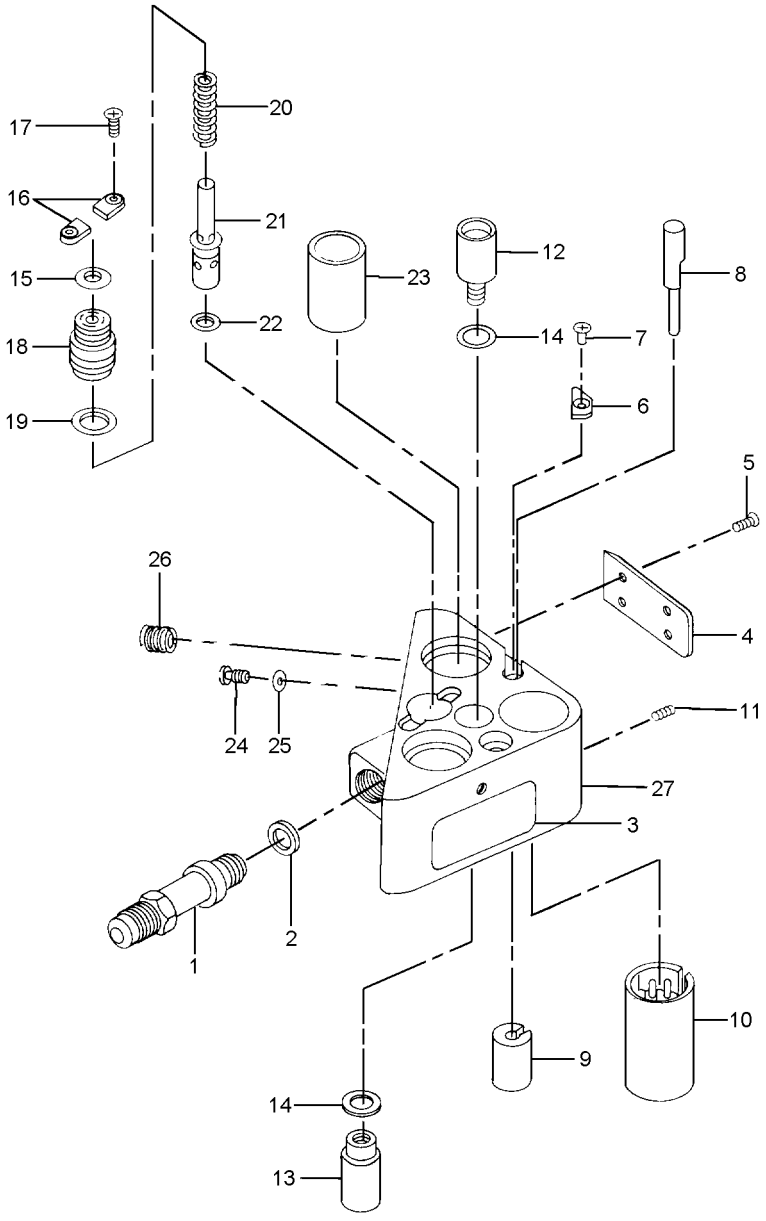
Figure 7-51. Upper Container Assembly (East/West) (Sheet 2 of 2)

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-51	204J200-1	CONTAINER ASSEMBLY, Upper ..... (See figure 7-48 for NHA)	REF	
-1	204C480-1	. TUBE ASSEMBLY ..... (ATTACHING PARTS)	1	
-2	EW46002	. CLAMP	1	
	58468	. CLAMP (92114) ..... (Interchangeable with EW46002)	1	
-3	AN525-832R9	. SCREW, Machine pan hd	1	
-4	204B832-17	. WASHER, Flat	1	
	2832	. WASHER, Flat (92114) ..... (Interchangeable with 204B832-17)	1	
-5	AN960-8	. WASHER, Flat	1	
-6	MS20364-832A	. NUT, Self-locking ..... ---*---	1	
-7	AN816-3C	. NIPPLE, Flared tube	1	
-8	MS90389-10	. CYLINDER ASSEMBLY	1	
	204D301-1	. CYLINDER ASSEMBLY (30941) ..... (ATTACHING PARTS)	1	
-9	EW41009	. SCREW, Machine	4	
-10	MS51960-71	. SCREW, Mach. flat	2	
-11	MS51960-72	. SCREW, Mach. flat	2	
-12	AN960-416L	. WASHER, Flat	4	
-13	AN970-4	. WASHER, Flat	2	
-14	204C424-21	. SPACER	2	
-15	204C424-11	. SPACER	AR	
	204C424-13	. SPACER	AR	
	204C424-15	. SPACER	AR	
	204C424-17	. SPACER	AR	
	204C424-19	. SPACER	AR	
-16	204C536-11	. SHIM ..... ---*---	2	
-17	AN932-S3	. . PLUG	1	
-18	204C626-11	. PAD, Pressure sensitive	1	
	10000942	. PAD, Pressure sensitive (92114) ..... (Interchangeable with 204C626-11)	1	
-19	204C627	. PAD, Pressure sensitive	1	
	10000943	. PAD, Pressure sensitive (92114) ..... (Interchangeable with 204C627)	1	
-20	204D270-1	. TUBE ASSEMBLY	1	
-21	220C102-1	. RELEASE ASSEMBLY	1	
-22	204D620-1	. ACTUATOR ASSEMBLY ..... (ATTACHING PARTS)	1	
-23	EW46001	. CLAMP	1	

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-51	58250	. CLAMP (92114) ..... (Interchangeable with EW46001)	1	
-24	AN525-832R7	. SCREW, Mach.	1	
-25	MS35216-41	. SCREW	2	
-26	AN960-8	. WASHER, Flat	3	
-27	MS20364-832A	. NUT, Self-locking	3	
-28	EW51011	. SPRING CLIP	1	
	20415	. SPRING CLIP (92114) ..... (Interchangeable with EW51011)	1	
-29	MS24665-87	. PIN, Cotter ..... ---*---	1	
-30	204D275-1	. LANYARD ASSEMBLY ..... (ATTACHING PARTS)	1	
-31	EW46001	. CLAMP	2	
	58250	. CLAMP (92114) ..... (Interchangeable with EW46001)	2	
-32	AN525-832R7	. SCREW, Mach.	2	
-33	AN960-8	. WASHER, Flat	2	
-34	MS20364-832A	. NUT, Self-locking	2	
-35	EW51011	. SPRING CLIP	1	
	20415	. SPRING CLIP (92114) ..... (Interchangeable with EW51011) ---*---	1	
-36	204D810-1	. REDUCER/MANIFOLD ASSEMBLY ..... (See figure 7-53 for BKDN) (ATTACHING PARTS)	1	
-37	AN525-10R12	. SCREW, Mach.	3	
-38	AN960-10	. WASHER, Flat	3	
-39	NAS43DD3-16	. SPACER ..... ---*---	3	
-40	204D518-13	. GUIDE ..... (ATTACHING PARTS)	1	
-41	MS35216-41	. SCREW, Mach pan hd	2	
-42	AN525-832R8	. SCREW, Mach.	2	
-43	AN960-8	. WASHER, Flat	6	
-44	AN936A8	. WASHER, Tooth-lock	2	
-45	AN960-8	. WASHER, Flat	2	
-46	MS20364-832A	. NUT, Self-locking ..... ---*---	2	
-47	204D250-1	. BLOCK ASSEMBLY, Intermediate ..... (See figure 7-52 for BKDN)	1	

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-51	21006-9	. BLOCK ASSEMBLY, Intermediate (92114) ..... (See figure 7-52 for BKDN) (Interchangeable with 204D250-1) (ATTACHING PARTS)	1	
-48	MS35217-55	. SCREW, Mach pan hd	3	
-49	AN960PD10L	. WASHER, Flat ..... ---*---	3	
-50	204C423-11	. BRACKET, Footman	2	
	55457	. BRACKET, Footman (92114) ..... (Interchangeable with 204C423-11) (ATTACHING PARTS)	2	
-51	EW41007	. SCREW, Machine	2	
-52	204B422-11	. SPACER	2	
-53	EW42009	. NUT ..... ---*---	2	
-54	204C515-11	. HOOK, Lid lock rear ..... (ATTACHING PARTS)	1	
-55	EW41005	. SCREW, Button hd (Note 1)	2	
-56	204C225-1	. SPACER	1	
	10000516	. SPACER (92114) ..... (Interchangeable with 204C225-1) ---*---	1	
-57	204C515-11	. HOOK, Lid lock ..... (ATTACHING PARTS)	2	
-58	MS51960-68	. SCREW, Mach.	2	
-59	204C211-11	. PLATE, LH	1	
	204C212-11	. PLATE, RH	1	
-60	204C214-11	. SPACER	1	
	23204-1	. SPACER (92114) ..... (Interchangeable with 204C214-11)	1	
-61	204C225-1	. SPACER	1	
	10000516	. SPACER (92114) ..... (Interchangeable with 204C225-1) ---*---	1	
-62	204C215-11	. WEBBING, Handle	1	
	27490	. WEBBING, Handle (92114) ..... (Interchangeable with 204C215-11) (ATTACHING PARTS)	1	
-63	MS20480A4-7	. RIVET	4	
-64	AN960PD6	. WASHER, Flat	4	
-65	204C213-11	. RETAINER	2	
	21190	. RETAINER (92114) ..... (Interchangeable with 204C213-11) ---*---	2	

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-51-66	AN227-68B	. FASTENER, Snap	4	
		(ATTACHING PARTS)		
-67	EW41002	. SCREW, Panhead cres (No. 3-56 x 3/8 lg)	1	
-68	NAS620-5L	. WASHER	1	
-69	AN227-61	. FASTENER, Snap	1	
		---*---		
-70	204C226-11	. SOCKET (Note 1)	1	
	10000711	. SOCKET (92114)	1	
		(Interchangeable with 204C226-11) (Note 1)		
		(ATTACHING PARTS)		
-71	102C701-15	. NUT, Lock	1	
		---*---		
-72	204B201-11	. WINDOW (Note 2)	1	
-73	204C216-11	. TAPE, Pile (Note 3)	3	
-74	102C279-1	. BUTTON ASSEMBLY	1	
-75	EW58001	. PLUG, Button	1	
	57685	. PLUG, Button (92114)	1	
		(Interchangeable with EW58001)		
-76	204D125-11	. HINGE	2	
		(ATTACHING PARTS)		
-77	MS20407AD3-8	. RIVET, Solid universal hd	6	
		---*---		
-78	204J222-1	. LID ASSEMBLY	1	
	Notes: 1. Apply Sealing Compound Grade C. 2. Apply Bonding Agent R-313. 3. Apply Cement EC-780.			



63-10A

Figure 7-52. Intermediate Block Assembly (East/West)

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-52	204D250-1	BLOCK ASSEMBLY, Intermediate ..... (Parts kit available) (See figure 7-51 for NHA)	REF	
	21006-9	BLOCK ASSEMBLY, Intermediate (92114) ..... (Parts kit available) (See figure 7-51 for NHA) (Interchangeable with 204D250-1)	REF	
-1	204C278-11	. CONNECTOR, Oxygen	1	
-2	EW62005	. PACKING, Preformed	1	
-3	204C902-11	. PLATE, Identification	1	
	204D260-1	. BLOCK SUBASSEMBLY, Intermediate	1	
-4	204B290-11	. . COVER, Conduit ..... (ATTACHING PARTS)	1	
-5	MS51959-3	. . SCREW, Machine ..... ---*---	4	
-6	204B279-11	. . RETAINER ..... (ATTACHING PARTS)	1	
-7	MS35190-210	. . SCREW, Machine (Note 1) ..... ---*---	1	
-8	204B277-11	. . PIN, Lock	1	
-9	204B281-11	. . SLEEVE	1	
-10	204D266-1	. . CONNECTOR, Electrical	1	
	55056	. . CONNECTOR, Electrical (92114) ..... (Interchangeable with 204D266-1) (ATTACHING PARTS)	1	
-11	MS51977-29	. . SETSCREW ..... ---*---	1	
-12	204C263-11	. . INSERT, Male (Note 2)	1	
-13	204D261-11	. . INSERT, Female	1	
-14	204D262-11	. . SHIM	AR	
-15	EW62003	. . PACKING, Preformed	1	
-16	204B299-11	. . RETAINER ..... (ATTACHING PARTS)	2	
-17	MS35190-210	. . SCREW, Machine (Note 1) ..... ---*---	1	
-18	204D264-11	. . PLUG, Interface	1	
-19	EW62001	. . PACKING, Preformed	1	
-20	EW51010	. . SPRING, Helical compression	1	
	15299	. . SPRING, Helical, compression (92114) ..... (Interchangeable with EW51010)	1	
-21	204B282-11	. . CHECK VALVE	1	
-22	EW62004	. . PACKING, Preformed	1	
-23	204B291-11	. . SLEEVE ..... (ATTACHING PARTS)	1	
-24	204B280-11	. . SCREW, Machine ..... ---*---	1	

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-52-25	EW62006	. . PACKING, Preformed	1	
-26	MS21209F1-15	. . INSERT, Screw thd	3	
-27	204D265-11	. . HOUSING	1	
	EW204K-7	PARTS KIT, Intermediate Block Assembly	1	
	Notes: 1. Apply Sealing Compound Grade E. 2. Apply Sealing Compound Grade D.			

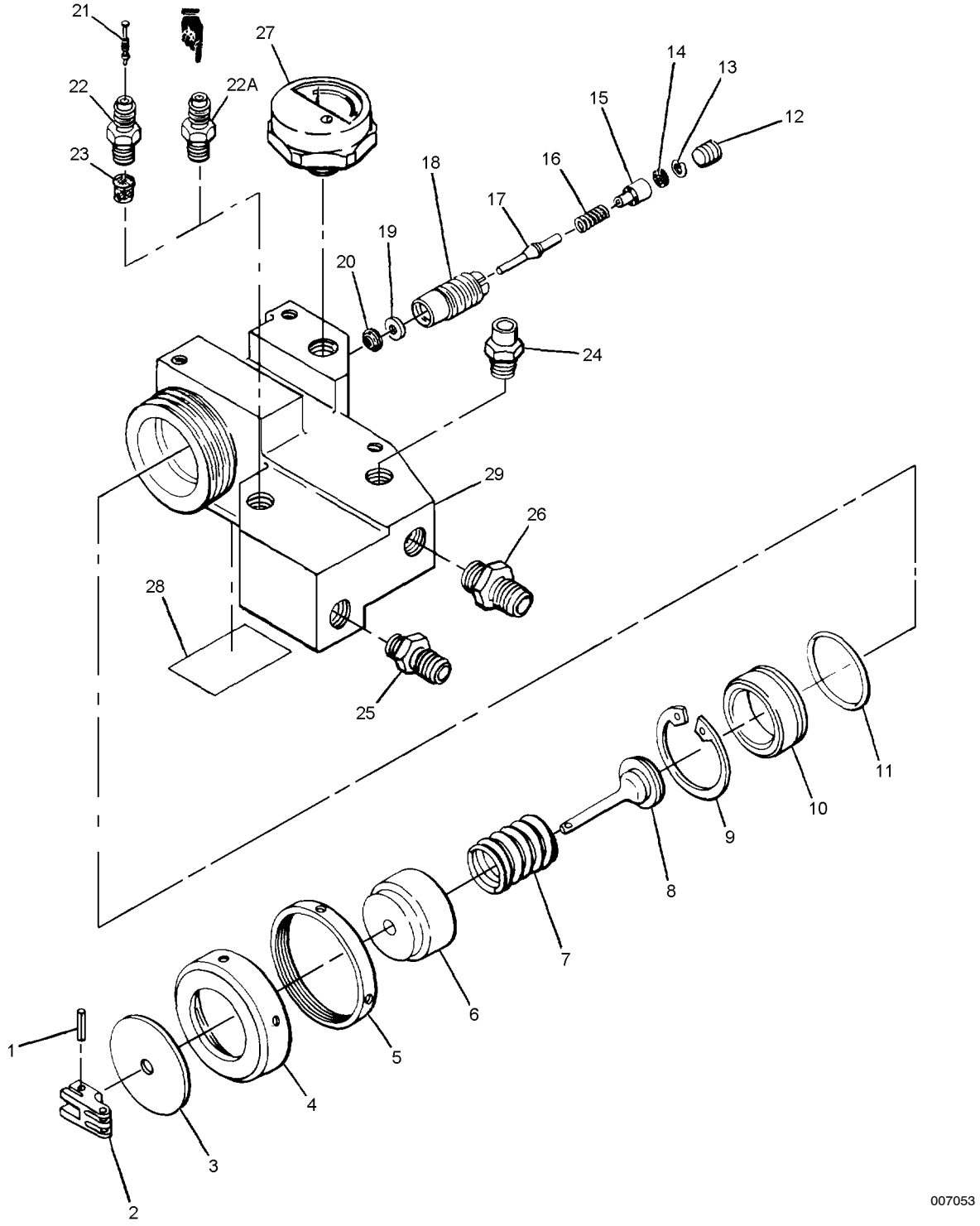


Figure 7-53. Reducer/Manifold Assembly (East/West)

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-53	204D810-1	REDUCER/MANIFOLD ASSEMBLY . . . . . (See figure 7-51 for NHA)	REF	
-1	MS171435	. SPRING PIN	1	
-2	102C303-15	. TOGGLE	1	
-3	233B823-11	. SPACER	1	
-4	233C829-11	. CAP, Adjust	1	
-5	233C830-11	. LOCK RING	1	
-6	233C820-11	. GUIDE, Piston	1	
-7	233B831-11	. SPRING, Reference	1	
-8	102C824-11	. PLUNGER	1	
-9	EW48001	. RING, Retaining	1	
-10	102C821-11	. PISTON (Note 1)	1	
-11	MS28775-117	. O-RING (Note 2)	1	
-12	AN932-S3	. PLUG, Countersink hex hd pipe (Note 3)	1	
-13	MS16625-4025	. RING, Retaining	1	
-14	102B819-11	. FILTER (Note 4)	1	
-15	102B818-11	. GUIDE, Poppet	1	
-16	102B814-11	. SPRING, Poppet	1	
-17	102B817-11	. POPPET	1	
-18	102C815-11	. RETAINER (Note 5)	1	
-19	102B828-11	. STOP, Back up ring (Note 6)	1	
-20	102B816-11	. SEAT	1	
	221B380-1	. VALVE ASSEMBLY, Oxygen filler	1	
-21	EW63001	. . VALVE CORE (Note 7)	1	
-22	102C383-11	. . VALVE BODY (Note 3)	1	
-22A	9120097-27	. FILL VALVE (Note 8)	1	
-23	204B419-11	. FILTER	1	
-24	EW63002	. RELIEF VALVE (Note 3)	1	
-25	AN816-3J	. NIPPLE, Flared tube (Note 3)	1	
-26	AN816-5J	. NIPPLE, Flared tube (Note 3)	1	
-27	EW68001	. GAGE, Oxygen (Note 2)	1	
	20430	. GAGE, Oxygen (92114) . . . . . (Interchangeable with EW68001) (Note 3)	1	
-28	204B827-11	. PLATE IDENTIFICATION	1	
-29	204D811-11	. REDUCER/MANIFOLD, Machined	1	

Notes:
1. Before inserting piston liberally lubricate bore that contacts O-ring using Krytox 240AZ.
2. Apply a light coat of Krytox 240AZ to O-rings.
3. To assemble pipe threaded parts use Teflon tape 1/2 in. wide conforming to MIL-T-27730 coating to be applied according to instructions specified in MIL-T-27730.
4. Install coarse mesh near side.

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
	Notes (cont): 5. Torque retainer to 32-35 lbs after assembly. 6. Position V notch to backup ring stop against face of seat. 7. Fully seat valve core into valve body, torque to 5 lb-in. Use valve core tool P/N 2688 (27783) NIIN 00-541-4687 for removal of valve core. 8. Fill Valve can be used as an alternate to replace Filler Valve Assembly P/N 221B380-1 or Valve Core P/N EW63001 and Body P/N 102C383-11. Filter P/N 204B419-1 must be removed if using Fill Valve P/N 9120097-27.			

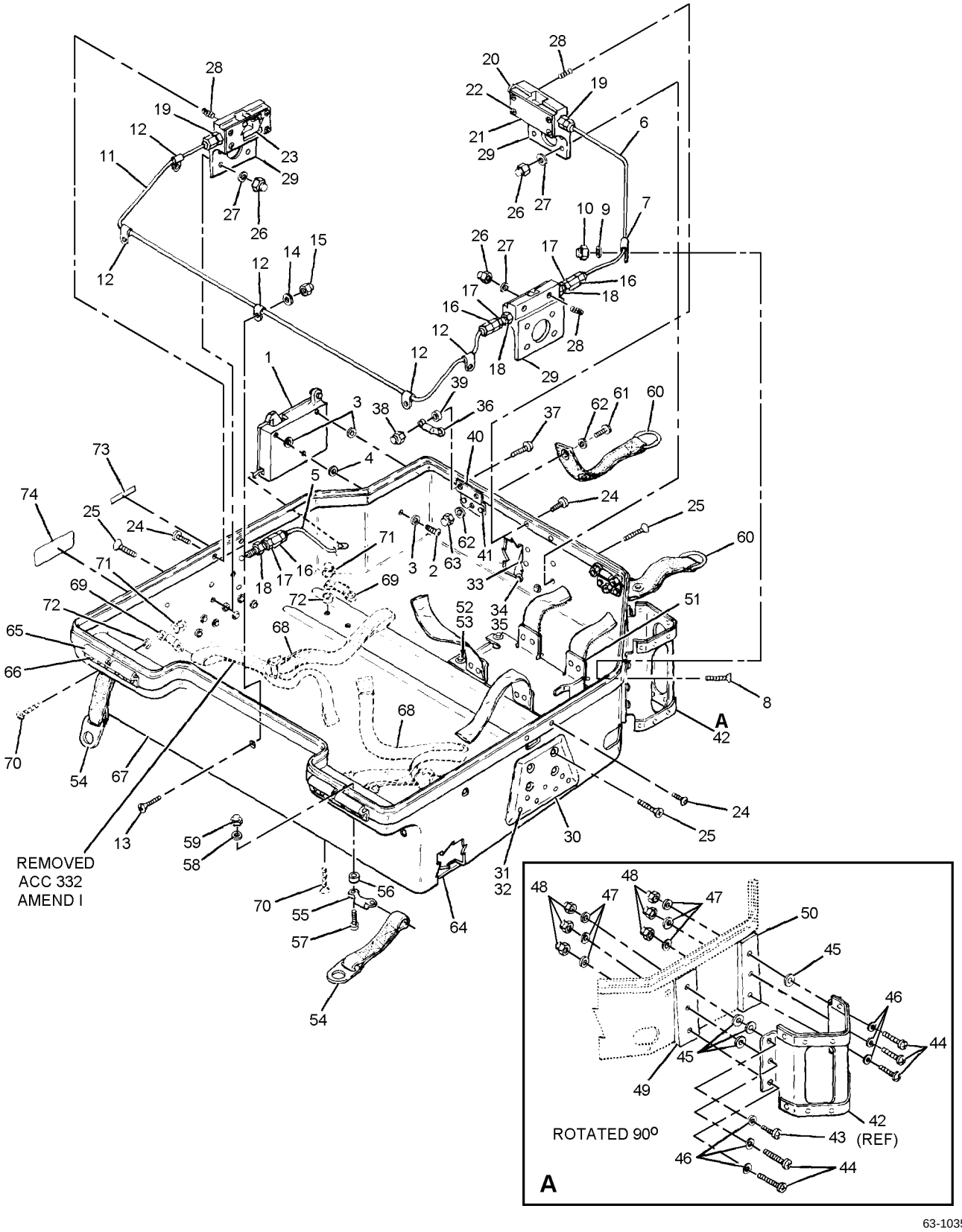


Figure 7-54. Lower Container Assembly (East/West)

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-54	204J400-1	CONTAINER ASSEMBLY, Lower	REF	
		(See figure 7-48 for NHA)		
-1	204D580-1	. LID LOCK RELEASE ASSEMBLY	1	
		(See figure 7-55 for BKDN)		
		(ATTACHING PARTS)		
-2	EW41005	. SCREW, Button head	3	
-3	AN960PD10L	. WASHER, Flat	5	
-4	AN960C10	. WASHER, Flat	1	
		---*---		
-5	204C570-1	. CONDUIT ASSEMBLY	1	
-6	204C560-1	. CONDUIT ASSEMBLY	1	
		(ATTACHING PARTS)		
-7	EW46001	. CLAMP	1	
	58250	. CLAMP (92114)	1	
		(Interchangeable with EW46001)		
-8	AN505C6R7	. SCREW, Mach flat hd	1	
-9	AN960C6L	. WASHER, Flat	1	
-10	EW42009	. NUT, Cap	1	
		---*---		
-11	204C289-1	. CONDUIT ASSEMBLY	1	
		(ATTACHING PARTS)		
-12	EW46001	. CLAMP	5	
	58250	. CLAMP (92114)	1	
		(Interchangeable with EW46001)		
-13	AN505C6R7	. SCREW, Mach flat hd	5	
-14	AN960C6L	. WASHER, Flat	5	
-15	EW42009	. NUT, Cap	5	
		---*---		
-16	102C525-11	. NUT	3	
	19561	. NUT (92114)	3	
		(Interchangeable with 102C525-11)		
-17	102C701-15	. NUT	3	
-18	102C527-11	. NIPPLE	3	
	19974	. NIPPLE (92114)	3	
		(Interchangeable with 102C527-11)		
-19	102C527-13	. NIPPLE	2	
	19974-1	. NIPPLE (92114)	2	
		(Interchangeable with 102C527-13)		
-20	102C526-11	. PLUG	1	
-21	204C721-11	. COVER PLATE	3	

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-54	10000474	. COVER PLATE (92114)	3	
		(Interchangeable with 204C721-11)		
		(ATTACHING PARTS)		
-22	EW41008	. SCREW, Machine	4	
		---*---		
-23	204C521-13	. LATCH	3	
	204D519-1	. LID LOCK BODY ASSEMBLY	3	
		(ATTACHING PARTS)		
-24	EW41005	. SCREW, Button hd	2	
-25	MS51960-65	. SCREW, Mach	4	
-26	EW42001	. NUT, Cap	4	
-27	AN960PD10L	. WASHER, Flat	4	
		---*---		
-28	MS21209F1-15	. . INSERT, Screw thd.	2	
-29	204D519-11	. . LID LOCK BODY	1	
-30	204C722-11	. REINFORCEMENT	2	
		(ATTACHING PARTS)		
-31	MS20426AD4-6	. RIVET	7	
-32	AN960C4	. WASHER, Flat	7	
		---*---		
-33	204C723-11	. REINFORCEMENT	1	
		(ATTACHING PARTS)		
-34	MS20426AD4-6	. RIVET	3	
-35	AN960C4	. WASHER, Flat	3	
		---*---		
-36	204C423-11	. BRACKET, Footman	2	
	55457	. BRACKET, Footman (92114)	2	
		(Interchangeable with 204C423-11)		
		(ATTACHING PARTS)		
-37	EW41007	. SCREW, Hexagon socket	2	
-38	EW42009	. NUT, Cap	2	
-39	204B422-11	. SPACER	2	
		---*---		
-40	204C720-11	. PLATE	2	
		(ATTACHING PARTS)		
-41	MS20470AD4-5	. RIVET, Solid universal hd	2	
		---*---		
-42	204C630-1	. GUIDE ASSEMBLY	1	
	21673	. GUIDE ASSEMBLY (92114)	1	
		(Interchangeable with 204C630-1)		
		(ATTACHING PARTS)		
-43	MS51957-45	. SCREW, Mach pan hd	1	
-44	MS51957-44	. SCREW, Mach pan hd	5	
-45	AN960C10	. WASHER, Flat	4	

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-54-46	AN960-8L	. WASHER, Flat	6	
-47	AN936A8	. WASHER, Tooth lock	6	
-48	EW42011	. NUT, Cap ---*---	6	
-49	204C778-11	. PAD	1	
-50	204C778-13	. PAD	1	
-51	CL204D2-1	. RADIO BRACKET ASSEMBLY (80206)	1	
	102D450-3	. RADIO BRACKET ASSEMBLY (30941) (ATTACHING PARTS)	1	
-52	MS20426AD4-6	. RIVET, (0.125 dia x 0.375 lg)	4	
-53	AN960PD4	. WASHER, Flat ---*---	4	
-54	67A73D7-3	. STRAP ASSEMBLY, Forward (30003)	2	
	204C926-1	. STRAP ASSEMBLY, Forward (30941) (ATTACHING PARTS)	2	
-55	204C423-11	. BRACKET, Footman	1	
	55457	. BRACKET, Footman (92114) (Interchangeable with 204C423-11)	1	
-56	204B422-11	. SPACER	2	
-57	MS35206-231	. SCREW, Mach pan hd	2	
-58	AN960C-6	. WASHER, Flat	2	
-59	EW42009	. NUT, Cap ---*---	2	
-60	67A73D7-4	. STRAP ASSEMBLY, Rear (30003)	2	
	204C927-1	. STRAP ASSEMBLY, Rear (30941) (ATTACHING PARTS)	2	
-61	MS27039-0808	. SCREW, Machine	1	
-62	AN960-8L	. WASHER, Flat	2	
-63	EW42006	. NUT, Cap ---*---	1	
-64	204C633-11	. PAD	1	
	24859-01	. PAD (92114) (Interchangeable with 204C633-11)	1	
-65	204D125-13	. HINGE (ATTACHING PARTS)	2	
-66	MS20470AD3-8	. RIVET, Solid universal hd ---*---	3	
-67	204D420-1	. CONTAINER, Sub-assembly	1	
-68	36C1326-1	. STRAP, Retaining (Note 1) (ATTACHING PARTS)	2	
-69	204C423-11	. BRACKET, Footman	2	
	55457	. BRACKET, Footman (92114) (Interchangeable with 204C423-11) (Note 1)	2	
-70	AN507-632R10	. SCREW, Mach flat hd (Note 1)	4	

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-54-71	EW42009	. NUT, Cap (Note 1)	4	
-72	204B422-11	. SPACER (Note 1)	4	
		---*---		
-73	204C923-11	. LABEL, Manual release	1	
-74	204C924-11	. LABEL, Warning	1	
	Notes: 1. Removed by ACC 332, Amend. 1.			

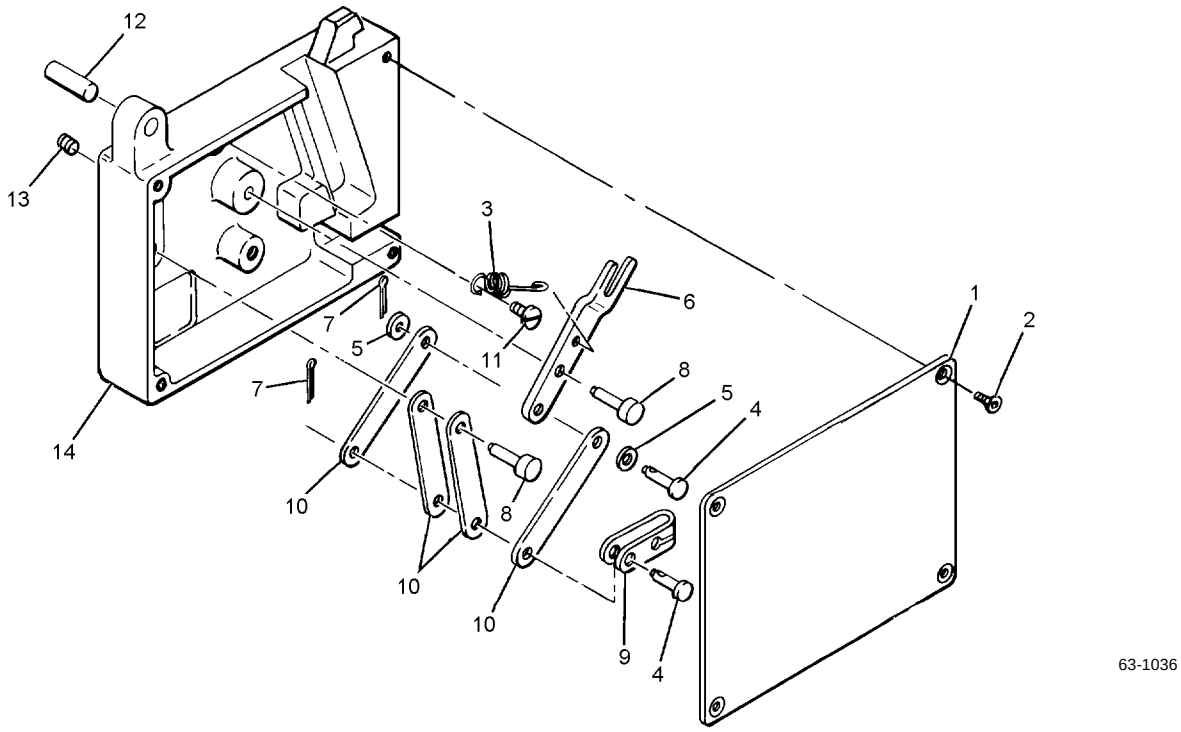


Figure 7-55. Lid Lock Release Assembly (East/West)

Figure and Index Number	Part Number	Description 1 2 3 4 5 6 7	Units Per Assembly	Usable On Code
7-55	204D580-1	LID LOCK RELEASE ASSEMBLY ..... (See figure 7-54 for NHA)	REF	
-1	102C597-13	. COVER ..... (ATTACHING PARTS)	1	
-2	MS24693-S3	. SCREW, Flathead (4-40) (Note 1) ..... ---*---	4	
-3	102C584-11	. SPRING, Toggle	1	
-4	MS9462-05	. PIN, Clevis	2	
-5	AN960-C4	. WASHER, Flat/Interchangeable with Scott ..... P/N 255420/	2	
-6	102C583-13	. LEVER, Actuating	1	
-7	MS24665-1011	. PIN, Cotter (0.312 lg)	2	
-8	102C596-11	. PIN, Pivot (0.312 dia x 0.60 lg)	2	
-9	102C581-11	. CLEVIS	1	
-10	102C582-11	. LINK TOGGLE	4	
	204D587-1	. HOUSING INSERT ASSEMBLY	1	
-11	EW41001	. . SCREW (4-40 x 0.312 lg)	1	
-12	MS9390-421	. . PIN, Straight (0.252 dia x 0.50 lg)	1	
-13	MS21209F1-15	. . HELICAL COIL INSERT ..... (For 10 x 32 x 0.285 lg)	3	
-14	204D587-11	. . HOUSING, Machined lid lock release	1	
	Notes: 1. Apply loctite sealant Grade A or equivalent.			

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	7-31-15	
AN121603	7-32-12	XBGZZ
AN227-68	7-26-66	XBGZZ
AN227-7	7-27-15	
AN277-61	7-26-67	XBGZZ
AN277-64B	7-36-70	
AN381-2-5	7-28-1	XBGZZ
AN392-9	7-28-3	XBGZZ
AN510C10R8	7-25-21	
	7-25-26	
	7-25-31	
AN515C4-4	7-30-4	
AN525-832-8	7-24-22	XBGZZ
AN565E8H3	7-27-29	XBGZZ
	7-28-41	
	7-29-17	
AN66C2	7-28-4	
AN809-1	7-30-8	XAGZZ
AN816-3D	7-30-1	
AN816-3J	7-26-2	
AN932-S2	7-26-1	XBGZZ
AN960C10	7-26-5	
	7-26-58	
AN960C3L	7-26-65	
AN960C4L	7-26-2	XBGZZ
	7-30-5	
	7-32-11	
AN960C416L	7-26-11	
AN960C6L	7-25-2	
	7-25-9	
	7-25-43	
	7-26-27	
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AN960PD10L	7-25-20	
	7-25-25	
	7-25-30	
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AN970-4	7-26-14	
CL204D2-1	7-24-26	MO
CS-10	7-30-31	XBGZZ
C240-026-0620S	7-30-42	XBGZZ
C5942-2	7-29-10	XAGZZ
MIL-T-8363	7-25-6	
MS134352	7-30-40	
MS16995-16	7-30-17	
MS171430	7-27-25	XAGZZ
MS171436	7-28-42	XBGZZ
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MS20392-1C17	7-30-21	
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MS20613-4C4	7-32-17	
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MS24665-151	7-32-10	
MS24665-153	7-30-22	
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MS35333-71	7-30-18	
MS35457-7	7-28-16	
MS51025-27	7-27-10	XBGZZ
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MS51034-19	7-29-25	XBGZZ
MS51041-29	7-28-23	XBGZZ
MS51960-68	7-26-17	
MS51960-70	7-26-7	
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RAL2487-041-0.125	7-29-5	XAGZZ
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V66-1ACC-161	7-24	
V660-2(80)-200	7-26-77	PAOZZ
015-11365-1	7-24-4	PAOZZ
10075	7-25-4	XAGZZ
119016	7-33-20	
1195AS114-1	7-24-6	PAOZZ
142001-1	7-33-6	
142001-1	7-33-24	
142001-7	7-33-5	PAOZZ
	7-33-13	
142002	7-31-5	
	7-31-11	
	7-31-18	
142006-2	7-33-3	PAOZZ
	7-33-11	
142012	7-33-4	
	7-33-12	
184C100-1	7-24-6	
1954-5/8	7-25-5	XAGZZ
20321-13	7-27-19	XAGZZ
214001	7-31-4	
	7-31-10	
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214006	7-31-16	XAGZZ
216C1-6	7-28-27	
217801	7-28-10	XAGZZ
22K2-02	7-25-19	XBGZZ
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22K2-62	7-25-1	XBGZZ
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242132-3	7-27-23	XAGZZ
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242143-1	7-27-18	XAGZZ
242145	7-27-21	XAGZZ
242149	7-27-14	XAGZZ
242200-13	7-24-3	PAOGG
242200-13	7-27	
242202-7	7-27-32	XAGZZ
2422430	7-28	
242301-7	7-29-31	XAGZZ
242302	7-29-20	
242303	7-29-29	PAOZZ
242304	7-29-27	PAOZZ
242305	7-29-24	PAOZZ
242306	7-29-21	
242320	7-29-14	PAOZZ
242321	7-29-12	PADZZ
242322-3	7-29-15	PAOZZ
242323	7-29-3	
242336	7-29-1	
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242402-5	7-28-44	XAGZZ
242405	7-28-38	
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242413-3	7-28-26	XAGZZ
242414	7-28-8	
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242415-3	7-27-7	PAOZZ
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242416	7-28-24	XAGZZ
242423	7-27-26	XAGZZ
242424	7-27-27	XAGZZ
242442	7-28-33	PAOZZ
242443	7-28-32	
242445	7-28-31	PAOZZ
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24473-5	7-28-12	PAOZZ
24473-7	7-28-12	PAOZZ
24475-1	7-27	PAOZZ
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24475-5	7-27	PAOZZ
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255418	7-25-53	XAGZZ
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255456	7-25-52	XAGZZ
255464-1	7-25-51	XAGZZ
255466-1	7-25-56	XAGZZ
255466-3	7-25-55	XAGZZ
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299304	7-33-18	XAGZZ
299305	7-33-19	XAGZZ
299306	7-33-22	PAOZZ
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308411	7-26-62	PAOZO
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3591-3CNX0190	7-32-19	XBGZZ
3591-3CNX0380	7-32-18	XBGZZ
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365704	7-32-20	XAGZZ
365705	7-25-14	PAOGG
365705	7-32	
365706	7-32-8	XAGZZ
365707	7-32-13	XAGZZ
365708	7-32-14	XAGZZ
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64A73E6-12	7-24-5	PAOZZ
67A73E6-11	7-24-5	PAOZZ
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7110015	7-26	XBGZZ
723103	7-30-41	PAOZZ
723104	7-30-38	PADZZ
723106	7-30-36	XBGZZ
723107	7-30-37	PAOZZ
723109	7-30-35	PADZZ
723112	7-30-32	
723118	7-30-2	
723134	7-30-35	PADZZ
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729004	7-27-13	XAGZZ
729005	7-27	XAGZZ
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741101	7-25-49	XAGGG
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741218	7-25-60	XAGZZ
741220	7-24	XBGZZ
741221	7-24-25	XAGZZ
741222	7-24-24	XAGZZ
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741239	7-26-12	
741240	7-24-16	PAOZZ
741250	7-26-3	PAOGG
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741255-2	7-26-9	
741256	7-26-15	PAOZZ
741258	7-28-9	XAGZZ
741265	7-26-47	PAOZZ
741270	7-26-25	
741275	7-29	PAOZZ
741275-1	7-29	PAOZO
741275-3	7-29-8	XAGZZ
741280	7-26-24	
741290	7-26-30	PAOGG
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741303	7-24-1	XAGGG
741304	7-24-2	XAGGG
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741361-1	7-33-8	
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741363	7-33-7	XAGZZ
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741365	7-26-16	PAOZZ
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741370	7-26-54	
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741371	7-30-44	XAGZZ
741373	7-30-14	
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767105	7-30-20	
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767862	7-30-6	XAGZZ
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767901-11	7-30-27	XAGZZ
767901-2	7-30-28	XAGZZ
767901-3	7-30-28	XAGZZ
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767901-5	7-30-28	XAGZZ
767901-6	7-30-28	XAGZZ
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